GINNY PUHL DO NOT DISCARD OFFICIAL DESCR. 02-03 HOCKING COLLEGE COURSE OF STUDY/COURSE DESCRIPTION 2001 2001



#### Course of Study/Course Description 2002-2003

The Course of Study/Course Description guide is printed annually. New guides are available the first quarter (summer) of each academic year. For the most up-to-date information go to www.hocking.edu.

Programs and curricula at Hocking College are reviewed periodically so that our students are prepared for the constantly changing challenges of business and industry. The college reserves the right to change any provision or requirement in this catalog including fees, at any time without prior notice. The information in this publication is not to be regarded as a contract between the student and the college. Students are subject to the requirements in effect at the time they enroll.

See the current Hocking College catalog for complete technology descriptions, available services, and policies and procedures.

Hocking College does not discriminate against applicants, employees or students on the basis of race, color, creed, religion, age, sex, marital status, veteran status, national origin, ancestry, citizenship, or disability. Questions about this should be directed to Rose Marie Smith, Ph.D., Executive Personnel Director, or Stephen Miller, Ph.D., Dean of Student Life, 3301 Hocking Parkway, Nelsonville OH 45764, 740 753–3591. Accommodations for persons with disabilities may be made through the Access Center, 3301 Hocking Parkway, Nelsonville OH 45764, 740 753–3591.

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#### **Technical Education**

Technical associate degree programs are intended to prepare students for employment immediately after graduation, for advancement, or for a career change. Credits earned in these programs also are transferrable to four-year colleges and universities. Technical programs at Hocking College prepare students for careers in business, computer and information technology, health and nursing, hospitality, industrial, natural resources, and public safety services. These two-year programs also assist students who want formal training toward advancement in their present jobs.

Technical education programs lead to the Associate in Applied Business degree, the Associate in Applied Science degree, or the Associate in Technical Studies degree. Each of these programs has a minimum of 45 technical credit hours and 42 general credit hours with actual specifications listed on the course of study for each individual program. The student must complete the courses specified for the program in order to meet degree requirements.

Although designed to prepare students for employment upon graduation, technical education programs transfer to four-year institutions. Credits accepted for transfer vary according to the program and policy of the receiving institution. Most technical degree programs have more technical courses and fewer general studies courses to transfer as the equivalent of two full years of a baccalaureate degree. Students planning to transfer a technical degree may wish to take additional general studies courses before transferring to the senior institution. Students are strongly encouraged to discuss their options with a faculty advisor.

In addition to associate degree programs, the College offers various types of certificate programs that prepare students for specific occupational positions.

#### **General Education**

General studies courses provide instruction that is essential to a well-rounded education, including written and oral communications, humanities, natural sciences, mathematics, and social and behavioral sciences. General studies courses help the students develop ways of approaching information and experience that strengthen their reasoning capacity, their awareness of relationships and responsibilities in a social and civic context, and their attention to values and moral issues.

All students graduating from Hocking College with an associate degree must complete general education requirements. The purposes of the general education requirements at Hocking are to:

- meet employer demands for these abilities in employees;
- enable graduates to intelligently assume the responsibilities of citizenship by stimulating the examination and understanding of personal, social, and civic values;
- impart common knowledge, intellectual concepts and attitudes that every educated person should possess; and,
- make transfer to a baccalaureate degree program easier.

The Hocking general education requirement is composed of, but not limited to, a minimum of:

## Written Communications 6 credit hour minimum

COMM 122 Communications II- 3 credits
and
COMM 123 Communications III - 3 credits
or
ENGL 151 Freshman Composition - 5 credits
and
ENGL 152 Advanced Essay Skills - 1 credit

## • Oral Communications 3 credit hour minimum

COMM 130 Speech – 3 credits
COMM 135 Verbal Career Skills – 3 credits

#### Mathematics

3 credit hour minimum

MATH	108	College Algebra I – 3 credits
MATH	110	Geometry & Trigonometry - 3 credits
MATH	111	Intermediate Algebra - 3 credits
MATH	112	Advanced Algebra - 3 credits
MATH	113	Comprehensive College Algebra - 5 credits
MATH	115	Pre Calculus - 5 credits
MATH	163A	Calculus - 4 credits

#### Social Science

3 credit hour minimum

ARCH 102	World Prehistory - 3 credits
ARCH 103	North American Prehistory – 3 credits
ARCH 280	Cultural Anthropology - 3 credits
ECON 140	Principles of Microeconomics - 4 credits
ECON 240	Principles of Macroeconomics - 4 credits
GOVT 142	Interacting with Government & Politics - 3 credits
PSYC 101	General Psychology - 5 credits
PSYC 140	Issues in Child Development - 4 credits
PSYC 150	Introduction to Psychology - 3 credits
PSYC 151	Developmental Psychology - 3 credits
PSYC 152	Abnormal Psychology - 3 credits
PSYC 154	Interpersonal Relationships - 3 credits
PSYC 160	Behavioral Science Statistics - 5 credits
PSYC 162	Child and Adolescent Development - 4 credits
SOCI 101	General Sociology - 5 credits
SOCI 153	Social and Cultural Awareness – 4 credits
SOCI 160	Introduction to Sociology - 3 credits
SOCI 161	Sociology of Family Living - 3 credits

SOCI 162	Social Issues – 3 credits
SOCI 165	Cross Cultural Studies - 3 credits
SOCI 169	Human Relations in Organizations - 3 credits
SUPR 235	Supervision and Leadership - 3 credits
WS 100	Intro to Women's Studies - 4 credits

#### Natural Science

3 credit hour minimum

BIOS 100	Health Science: The Human Machine - 3 credits
BIOS 101	Environmental Science - 3 credits
BIOS 102	Ecology - 3 credits
BIOS 103	General Biology – 3 credits
BIOS 107	Biology – 5 credits
BIOS 112	The Human Organism - 3 credits
BIOS 113	Anatomy and Physiology I - 3 credits
BIOS 114	Anatomy and Physiology II - 3 credits
BIOS 120	Botany – 3 credits
BIOS 132	Field Biology –3 credits
BIOS 140	Tech Aspects Anatomy and Physiology - 3 credits
BIOS 170	Zoology – 3 credits
CHEM 100	Introduction to Chemistry - 3 credits
CHEM 102	Introduction to Chemistry II – 3 credits
CHEM 130	Fundamentals of Chemistry - 4 credits
CHEM 131	Environmental Chemistry – 3 credits
GEOL 101	Geology – 3 credits
MICR 201	Microbiology – 4 credits
PHYS 103	Physics – 3 credits
PHYS 201	Physics- M 3 credits
PHYS 202	Physics -H.L.S 3 credits

#### **Transfer**

Students whose goal is a four year degree may take technical degrees, the Transfer Module, the Associate of Individualized Studies, or selected courses at Hocking College. To transfer efficiently students should work closely with an advisor and the transfer office. Students should take courses which can be applied to specific degree requirements at the institution to which they intend to transfer. Hocking continues to develop and maintain articulation agreements and transfer guides which help simplify the process for students transferring.

### **Developmental Education**

Developmental courses are available for students whose assessment indicates a need to strengthen reading, writing, or math skills. Students who need developmental courses are assigned a developmental advisor. Courses in study skills are also available. In addition, the Academic Success Center and tutoring services are provided free of charge when extra help is needed.

### **Degrees**

The College offers a variety of educational programs that lead to associate degrees. Full-time students can complete these programs in two years or less; however, many students take longer to complete their degree requirements.

## Associate in Applied Business (A.A.B.) Associate in Applied Science (A.A.S.)

These degrees are awarded in recognition of successful completion of a technical education program which requires 90–110 credit hours in a specialized curriculum aimed at preparing students for entry into specific occupations.

#### Associate in Individualized Study (A.I.S.)

This degree is awarded for the satisfactory completion of a minimum of ninety credit hours in an individually planned program designed to serve an educational objective which could not be served through another degree program of the College. The curriculum is designed largely by the student with the assistance of a designated faculty advisor. The program leading to this degree must contain an area of concentration consisting of a minimum of thirty credit hours which is formed according to the following models:

- an intra-institutional, interdisciplinary, but coherent combination of courses drawn from a minimum of two and a maximum of four instructional areas of the awarding institution;
- up to sixty credit hours awarded by the institution for documentable educational experiences or courses completed at other institutions of higher education, or educational enterprises judged by the institution to be of college level; and,
- an unusual but academically coherent combination of technical and general studies courses.

#### Associate in Technical Study (A.T.S.)

Awarded for successful completion of a prescribed or an individually planned technical education program designed to respond to the needs for specialized technical education with an identifiable career goal. An area equivalent to 45 credit hours in technical studies may be formed either by a) a coherent combination of technical courses selectively drawn from two or more technical programs currently offered or b) courses completed or training received by a student at other post secondary institutions, vocational centers or other educational enterprises judged by the institution to be of college level. A minimum of 90 credit hours is required for the degree.

#### Certificates

#### Certificate of Completion

Awarded for successful completion of a course or series of courses totaling less than twelve credit hours and leading to the acquisition of specific knowledge and skills.

#### Certificate of Concentration

Awarded for successful completion of a coherent set of courses which complement the associate degree and enable the learner to acquire skills in a specific area (e.g. medical office management, chemical dependency counselor).

#### Occupational Certificate

Awarded for successful completion of twelve or more credit hours in which the individual acquires knowledge and skills that are directly applicable to specific employment.

#### **Technical Certificate**

Awarded for successful completion of a prescribed sequence of courses within the given technology in which the certificate is offered. The total credit hours are at least 50% of the number required for the associate degree in that technology. The technical component is 27–33 quarter hours with the balance being in general courses.

#### Technologist Certificate

Awarded for successful completion of higher level courses which provide academic rigor and depth beyond the associate degree. These courses may serve as a bridge to a baccalaureate degree program.

#### Associate Degree Requirements

- Successfully complete (with a passing grade) the course requirements as specified on the official technology course of study, or have posted transfer credit or special credit (see approval process for each special credit option: 1] course substitution, 2] credit by advanced standing, 3] credit by exam, 4] credit by life experience or portfolio development, 5] course waiver).
- Earn a minimum of 30 credits at Hocking College (or 15 credits if from a Hocking College approved program) in addition to credits awarded by any special credit method, or credit transferred from other colleges, or any combination of methods. A minimum of 15 credits must be in technical courses (unless transfer is from a Hocking College approved program). (Residency requirement.)
- Attain a "C" (2.00) average in all technical courses for the specific degree program and a "C" (2.00) total overall cumulative point average toward the specified degree at Hocking College.
- Successfully complete COMM 122 (Communications II) and COMM 123 (Communications) or ENGL 151 (Freshman Compositions) and ENGL 152 (Advanced Essay Skills) and any additional communications requirements as specified by the official technology curriculum.
- Successfully complete MATH 108 (Introduction to Algebra) and all math requirements as specified by the official technology curriculum.
- Complete and file an Application for Graduation form with the Records Office.
- Note: Credits in fundamental and developmental courses do not meet graduation requirements. Fundamental courses are MATH 101 (Basic Mathematics), COMM 051 (Fundamentals of Reading), and COMM 050 (Fundamentals of Communication). Developmental courses are MATH 102 (Pre College Algebra), COMM 110 (Reading Communications), and COMM 121 (Communications I).
- Note: Students must meet all financial and library obligations to the College before their diploma or certificate is issued.

#### **Dual Degrees**

To obtain a second degree, a student must have credit for all the technical courses in the second degree program, and must also have the basic or general courses that are determined as necessary by the administrator of that technical program. The student must earn a minimum of 18 technical credits beyond the total required in the first associate degree program.

## Technologist Certificate, Certificate of Concentration, Technical Certificate, Occupational Certificate, and Certificate of Completion Requirements

- Complete, with a passing grade, the course requirements specified for the technologist certificate, occupational certificate, or certificate of completion. Transfer and special credit options may be used.
- Attain a 2.00 GPA in technical courses and a 2.00 GPA for all courses required for the certificate.

## **Understanding the Course of Study**

The following information is provided to assist in understanding the course of study.

**Quarter:** Hocking College operates on a quarter system. The quarter is the period of time in which most courses are scheduled. Quarters are generally 11 weeks in length.

**Course Number:** The two, three or four letters and three digits (for example, COMM 122) which identify the course being offered. The course number corresponds to the course description, a brief outline of the subject matter of the course, in the course of study/course description catalog and on the web at www.hocking.edu.

PACE Courses: Courses preceded by a "P" are offered in a PACE format. PACE courses allow you to enroll in the course any time the college is in session and to proceed through the course work at your own rate of speed. The PACE labs are staffed with full-time instructors who are available to work with you on a one-on-one basis as needed to achieve the stated competencies. In most cases you may choose to complete the course in a traditional method or on PACE.

Course Name: Identifies the name of the course being offered.

**Type:** All courses are identified as either technical (T) or general (G). Technical courses provide the technical skills and knowledge required for career competency. General courses provide the common skills required in all work places and serve as a foundation for the technical program.

**Credit Hours:** The credit is a standard unit of measurement for college work. The number of contact hours per credit hour is determined by the type of activities (class hours, laboratory hours or practicum experiences).

**Class Hours:** Time scheduled as part of the instructional plan of most courses utilizing any combination of instructional methods such as presentation, directed discussion, demonstration or use of audiovisual materials.

**Lab Hours:** Time scheduled as part of the instructional plan for the practical application of the theory presented in courses. Laboratory activities may include conducting experiments, practicing procedures or skills, or clinical or field experiences.

Course Fee: Course fees are in addition to tuition and will automatically be added to the student's account at the time of course registration. There are three types of course fees which will be shown on your account statement: 1) supply fee – provides for consumable materials used in the course; 2) equipment fee – provides for technical equipment, computers, and software used in the course; and, 3) program fee – provides for national and international experiences, staffing of elective courses, development of alternative modes of instruction, low student to faculty ratios to assure student safety or enhance learning, malpractice liability insurance in appropriate programs, and transportation.

Communications Course Placement: Your Communications course sequence will be determined by assessment (ASSET or COMPASS) of reading and writing levels. Depending upon the assessment, you may be required to take COMM 050 (Fundamentals of Communications), COMM 051 (Fundamentals of Reading), COMM 110 (Reading Communications) and/or COMM 121 (Communications I) as prerequisites to COMM 122 (Communications II). Courses which are prerequisites to COMM 122 are required developmental courses and the credit hours must be added to the printed course of study.

Math Course Placement: Your math course sequence will also be determined by assessment (ASSET or COMPASS). Depending upon the assessment, you may be required to take MATH

102 (Pre-Algebra) or both MATH 101 (Basic Mathematics) and MATH 102 (Pre-Algebra) as a prerequisite to MATH 108 (Introduction to Algebra) or MATH 104 (Pharmacology Math). MATH 101 and MATH 102 are required developmental courses and the credit hours must be added to the printed course of study.

**Practicum and Coop Work Experiences:** It is required in most programs and recommended in a few programs that you complete a practicum or coop work experience prior to graduation. These experiences involve an on- or off-campus work experience integrated with academic instruction in which learned concepts are applied to practical situations within your technology.

Additional Courses: You may take special topics (290) courses (1–5 credits) or individualized study (291) courses (1–5 credit hours) in addition to the traditional course of study listed.

Hocking College reserves the right to modify curricular requirements, to change course content, and to change course fees at any time.

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#### School of Arts and Sciences

#### Transfer Module/University Bound

Hocking College recognizes the value of providing a program for students who want to pursue a bachelor degree at a four-year college or university. The Transfer Module is designed to provide a guaranteed transition for students transferring to other public Ohio colleges and universities.

The Hocking College Transfer Module/University Bound, meets requirements of the Ohio Board of Regents; it will be accepted at Ohio state subsidized colleges and universities.

Hocking's Transfer Module program includes 54 to 60 quarter hour credits of introductory courses in the areas of English composition, mathematics, arts and humanities, social and behavioral sciences and natural and physical sciences. The Hocking College Module include general courses already in technical programs as well as courses for transfer only. Because individual technologies may differ in specific course requirements for general education, the articulation of the transfer module may vary from one program to another.

#### Conditions for Transfer Admission

Students meeting the requirements for the Transfer Module are subject to the following conditions:

- 1. The policy encourages receiving institutions to give preferential consideration for admission to students who complete the Transfer Module and either the Associate of Arts or the Associate of Science degrees. These students will be able to transfer all courses in which they received a passing grade of D or better. Students must have an overall grade point average of 2.00 to be given credit for the Transfer Module.
- 2. The policy also encourages receiving institutions to give preferential consideration for admission to students who complete the Transfer Module with a grade C or better in each course and 90 quarter hours or 60 semester hours. Students must have an overall grade point average of 2.00 to be given credit for the Transfer Module and only courses in which a C or better has been earned will transfer.
- 3. The policy encourages receiving institutions to admit on a non-preferential consideration basis students who complete the Transfer Module with a grade of C or better in each course and less than 90 quarter hours or 60 semester hours. These students will be able to transfer all courses in which they have received a grade of C or better. Admission to a given institution, however, does not guarantee that a transfer student will be automatically admitted to all majors, minors, or fields of concentration at that institution. Once admitted, transfer students shall be subject to the same regulations governing applicability of catalog requirements as all other students. Furthermore, transfer students shall be accorded the same class standing and other privileges as native students on the basis of the number of credits earned. All residency requirements must be successfully completed at the receiving institution prior to the granting of a degree.

#### Responsibilities of Students

In order to facilitate transfer with maximum applicability of transfer credit, prospective transfer students should plan a course of study that will meet the requirements of a degree program at the receiving institution. Specifically, students should identify early in their collegiate studies an institution and major to which they desire to transfer. Furthermore, students should determine if there are language requirements or any special course requirements that can be met during the freshman or sophomore years. This will enable students to plan and pursue a course of study that will articulate with the receiving institution's major. Students are encouraged to seek further information regarding transfer from both their advisor and the college or university to which they plan to transfer.

#### **Appeals Process**

A multi-level, broad-based appeal process is required to be in place at each institution. A student disagreeing with the application of transfer credit by the receiving institution shall be informed of the right to appeal the decision and the process for filing the appeal. Each institution shall make available to students the appeal process for that specific college or university.

If a transfer student's appeal is denied by the institution after all appeal levels within the institution have been exhausted, the institution shall advise the student in writing of the availability and process of appeal to the state level Articulation and Transfer Appeals Committee.

The Appeals Review Committee shall review and recommend to institutions the resolutions of individual cases of appeal from transfer students who have exhausted all local appeal mechanisms concerning applicability of transfer credits at receiving institutions.

The Transfer Module must include 54-60 quarter credit hours of courses in the following areas: English Composition, Mathematics, Arts and Humanities, Social and Behavioral Sciences, and Natural and Physical Sciences. Students should follow these directions in selecting courses to fulfill the requirements of the Transfer Module.

	composition of 8 credi		Credits
Required: COMM	122	Communications II	3
COMM	123	Communications III	3
ENGL	151	Freshman Composition	5
Choose th		g 3 credit hours from	
COMM	124	Communications IV	3
COMM	225	Technical Writing	3
Mathema	itics		
(minimum	of 3 credi	t hours)	
MATH	112	Advanced Algebra	3
MATH	115	Pre Calculus	5
MATH	163 A	Calculus	3
Arts/Hum	anities		

#### Arts/Humanities

(minimum of 9 credit hours)

HUM	200	Introduction to World Literature	3
HUM	201	Western Civilization and Culture	3
HUM	202	Understanding and Appreciating	3
		Theatre Art	
HUM	203	Ethics, Values, and Morality	3
HUM	204	Twentieth Century U.S. Music	3

#### Social and Behavioral Sciences

(minimum of 11 credit hours)

Required:			
PSYC	101	General Psychology or	5
PSYC	150	Introduction to Psychology	3
PSYC	150 A	or Introduction to Psychology Module A and	1
PSYC	150 B	Introduction to Psychology Module B and	1
PSYC	150 C	Introduction to Psychology Module C	1
SOCI	101	General Sociology or	5
SOCI	160	Introduction to Sociology	3
	remaining of the follov	6 credit hours from at	
	inc ronov	ving areas.	
Sociology			
SOCI	161	Sociology of Family	3
SOCI	162	Social Issues	3
SOCI	165	Cross Cultural Studies	3
Psychology	/		
PSYC	151	Developmental Psychology	3
PSYC	152	Abnormal Psychology	3
PSYC	160	Behavioral Sciences Statistics	5
PSYC	162	Child and Adolescent Development	4

Governm	ient		
GOVT	142	Interaction with Government and Politics	3
Economi	cs		
ECON	140	Principles of Microeconomics	4
ECON	240	Principles of Macroeconomics	4

#### Natural and Physical Sciences

(minimum of 9 credit hours)

CHEM	100	Introduction to Chemistry	3
CHEM	102	Introduction to Chemistry II	3
CHEM	130	Fundamentals of Chemistry	4
EGR	102	Physics M	3
EGR	103	Physics HLS	3
HC	100	The Human Organism	3
HC	110	Anatomy and Physiology I	3
HC	120	Anatomy and Physiology II	3
HC	247	Microbiology	4
NR	100	Astronomy	2
NR	120	Botany	3
NR	121	Zoology	3
NR	131	Environmental Chemistry	3
NSC	100	Health Science: The Human Machine	3
NSC	101	Environmental Science	3
NSC	103	Physics	3
REC	131	Field Biology	3
REC	132	Geology	3
REC	209	Terrestrial Ecology	3

#### School of Business

#### **Technical Programs**

Programs leading to an Associate Degree.

Accounting
Business Management and Entrepreneurship
Office Management

#### Certificate Programs

Programs providing specific technical skills.

#### Certificates of Completion

Awarded for successful completion of a course or series of courses (less than twelve credit hours) leading to acquisition of specific knowledge and skills.

Accounting Clerk/Payroll Clerk
Accounts Payable/Accounts Receivable Clerk
Cost Clerk
File Clerk
Introduction to International Business
Salesperson

#### Occupational Certificates

Awarded for successful completion of twelve or more credit hours in which the individual acquires knowledge and skills that are directly applicable to specific entry level employment.

Administrative Transcriptionist Clerk/Basic Typist Computer Applications for Business Owners Entrepreneurial Specialist Federal Taxation Industrial Salesperson Management Specialist Microcomputer Accounting Non-Profit Accounting Personnel Specialist I Personnel Specialist II Real Estate Receptionist/Clerk Retail Management Specialist Small Business Accounting Technician Small Business Specialist Word Processing

#### **Technical Certificates**

Awarded for successful completion of a prescribed sequence of courses within a given technology in which the certificate is offered. The total credit hours are at least 50% of the number required for the associate degree in that technology. The technical component will be 27–33 quarter hours with the balance being in general courses.

Accounting
Office Management

#### **Certificates of Concentration**

Awarded for successful completion of a coherent set of courses which complement the associate degree and enable the learner to acquire skills in a specific area (e.g. medical office management, chemical dependency counselor).

Legal Office Management Medical Office Management

## Accounting For students entering June, 2002 through May, 2003

First Quarter Course No.  ACC 120 ACC 100 ACC 130 BUS 170 COMM 122 OAT 180 S/P •••	P P P P	Course Name Payroll Accounting Accounting I Business and Accounting Machines Fundamentals of Business I Communications II Keyboarding Social Science/Psychology Elective (Required)	Type T G G G G G	Class 2.00 2.00 2.00 3.00 3.00 1.00 0.00 13.00	Lab 3.00 3.00 2.00 2.00 0.00 1.00 0.00 11.00	Credit 3.00 3.00 2.00 3.00 3.00 3.00 1.00 3.00 18.00	Course Fee \$12 \$5 \$20 \$7 \$20 \$25
Second Quarter           Course No.           ACC         101           ACC         105           ACC         110           ACC         140           BUS         171           COMM         123           MATH         108 B	P P P	Course Name Accounting II Quickbooks for Small Business Accounting Simulation Individual Taxation Fundamentals of Business II Communications III Introduction to Algebra for Business	Type T T T T G G G	Class 2.00 1.00 1.00 2.00 3.00 3.00 3.00 15.00	<u>Lab</u> 3.00 4.00 1.00 3.00 2.00 0.00 1.00 14.00	Credit 3.00 2.00 1.00 3.00 3.00 3.00 3.00 18.00	Course Fee \$5 \$35 \$36 \$7 \$20 \$16
Third Quarter Course No. ACC 102 ACC 111 ACC 150 ACC 162 COMM 130 MATH 109	P P P	Course Name Accounting III Advanced Accounting Simulation Business Taxation Microcomputer Accounting Speech Business Math	Type T T T T G G	Class 3.00 1.00 3.00 1.00 3.00 4.00 15.00	<u>Lab</u> 4.00 1.00 4.00 4.00 0.00 0.00 13.00	Credit 4.00 1.00 4.00 2.00 3.00 4.00 18.00	Course Fee \$5 \$37 \$36 \$30 \$10
Summer Quarter Course No. See your advisor regardi	ng cours	<u>Course Name</u> e offerings.	<u>Type</u>	Class	<u>Lab</u>	<u>Credit</u>	Course Fee
Fourth Quarter Course No. ACC 200 ACC 220 BUS 125 BUS 247 COMM 104	Р	Course Name Basic Cost Accounting Non-Profit Accounting I Principles of Finance Excel for Windows	Type T T G G	Class 2.00 3.00 3.00 2.00	<u>Lab</u> 3.00 3.00 3.00 3.00	<u>Credit</u> 3.00 4.00 4.00 3.00 1.00	Course Fee \$12 \$5 \$36 \$10
S/P •••		Job Search Techniques Social Science/Psychology Elective (Required)	G G	1.00 <u>0.00</u> 11.00	0.00 <u>0.00</u> 12.00	3.00 18.00	
	Р			0.00 11.00 Class 3.00 0.00 3.00 2.00 2.00 3.00	0.00 12.00 12.00 2.00 3.00 3.00 3.00 3.00 0.00	3.00 18.00 Credit 4.00 1.00 4.00 3.00 3.00 3.00 3.00	Course Fee \$12 \$36 \$5 \$10 \$36
Fifth Quarter Course No. ACC 201 ACC 210 ACC 221 ACC 230 BUS 248 BIOS 100	P	Course Name Advanced Cost Accounting Cost Accounting Simulation Non-Profit Accounting I Intermediate Accounting I Advanced Excel Health Science: The Human Machine or	G Type T T T T G G	0.00 11.00 2.00 3.00 0.00 3.00 2.00 2.00 3.00	0.00 12.00 12.00 2.00 3.00 3.00 3.00 3.00 3.00 0.00	3.00 18.00 Credit 4.00 1.00 4.00 3.00 3.00 3.00	\$12 \$36 \$5 \$10 \$36

### **Business Management and Entrepreneurship**

For students entering June, 2002 through May, 2003

First Quarter							
Course No.		Course Name	Type	Class	Lab	Credit	Course Fee
BUS 100	Р	Small Business Management I	T	3.00	2.00	3.00	\$5
BUS 102	Р	Principles and Practices of Management I	T	3.00	2.00	3.00	<b>+ -</b>
BUS 110		Marketing	T	3.00	2.00	3.00	\$5
BUS 105		History of American Business	G	3.00	0.00	3.00	* .
COMM 122	P	Communications II	G	3.00	0.00	3.00	\$20
OAT 180	Р	Keyboarding	G	1.00	1.00	1.00	\$25
BUS 250		Events Planning and Operations I (Optional)	G	1.00	3.00	1.00-2.00	
				16.00-17.00	7.00-10.00	16.00-18.00	
Second Quarter		O Name	-				_
Course No.	P	Course Name	<u>Type</u>	Class	<u>Lab</u>	Credit	Course Fee
BUS 101 ACC 100	P	Small Business Management II	T	3.00	2.00	3.00	\$5
BUS 200	Г	Accounting I Business Law	G G	2.00	3.00	3.00	\$5
COMM 123 A	Р	Communications III (Job Communication)	G	3.00 3.00	0.00	3.00	<b>620</b>
MATH 108 B	,	Introduction to Algebra for Business	G	3.00	1.00	3.00 3.00	\$20 \$16
BUS •••		Business Elective (Required)	T	0.00	0.00	3.00	\$10
505		business elective (nequired)	'	14.00	6.00	18.00	
Third Quarter				11.00	0.00	10.00	
Course No.		Course Name	Type	Class	Lab	Credit	Course Fee
BUS 103	Р	Principles and Practices of Management II	T	3.00	2.00	3.00	3.2
ACC 101	Р	Accounting II	G	2.00	3.00	3.00	\$5
BUS 201		Advanced Business Law	G	4.00	0.00	4.00	
ECON 140		Principles of Microeconomics	G	4.00	0.00	4.00	
MATH 109		Business Math	G	<u>4.00</u>	0.00	4.00	\$16
				17.00	5.00	18.00	
Summer Quarter		0	_				_
Course No.		Course Name	<u>Type</u>	Class	<u>Lab</u>	Credit	Course Fee
See your advisor rega	araing cour	se offerings.					
Fourth Quarter							
		Course Name	Type	Class	Lah	Credit	Course Fee
Course No.		Course Name Business Systems Control	<u>Type</u> T	Class 2.00	<u>Lab</u> 3.00	Credit	Course Fee
Course No. BUS 243		Business Systems Control	T	2.00	3.00	3.00	\$5
Course No.	Р	Business Systems Control Business Planning	T	2.00 1.00	3.00 3.00	3.00 2.00	\$5 \$24
Course No. BUS 243 BUS 260	Р	Business Systems Control	T	2.00 1.00 3.00	3.00 3.00 0.00	3.00 2.00 3.00	\$5 \$24 \$7
Course No. BUS 243 BUS 260 SOCI 169	Р	Business Systems Control Business Planning Human Relations in Organizations	T T G	2.00 1.00	3.00 3.00	3.00 2.00	\$5 \$24
Course No. BUS 243 BUS 260 SOCI 169	Р	Business Systems Control Business Planning Human Relations in Organizations Speech or Verbal Career Skills	T T G	2.00 1.00 3.00	3.00 3.00 0.00	3.00 2.00 3.00	\$5 \$24 \$7
Course No. BUS 243 BUS 260 SOCI 169 COMM 130  COMM 135 BUS 251	Р	Business Systems Control Business Planning Human Relations in Organizations Speech or Verbal Career Skills Events Planning and Operations II (Optional)	T T G G	2.00 1.00 3.00 3.00	3.00 3.00 0.00 0.00	3.00 2.00 3.00 3.00	\$5 \$24 \$7 \$10
Course No. BUS 243 BUS 260 SOCI 169 COMM 130  COMM 135 BUS 251 PSYC •••	Р	Business Systems Control Business Planning Human Relations in Organizations Speech or Verbal Career Skills Events Planning and Operations II (Optional) Psychology Elective (Required)	T G G G G	2.00 1.00 3.00 3.00 3.00	3.00 3.00 0.00 0.00	3.00 2.00 3.00 3.00 3.00	\$5 \$24 \$7 \$10
Course No. BUS 243 BUS 260 SOCI 169 COMM 130  COMM 135 BUS 251	Р	Business Systems Control Business Planning Human Relations in Organizations Speech or Verbal Career Skills Events Planning and Operations II (Optional)	T T G G G	2.00 1.00 3.00 3.00 3.00 1.00	3.00 3.00 0.00 0.00 0.00 3.00	3.00 2.00 3.00 3.00 3.00 1.00-2.00	\$5 \$24 \$7 \$10
Course No.  BUS 243 BUS 260 SOCI 169 COMM 130  COMM 135 BUS 251 PSYC ••• BUS •••	Р	Business Systems Control Business Planning Human Relations in Organizations Speech or Verbal Career Skills Events Planning and Operations II (Optional) Psychology Elective (Required)	T G G G G	2.00 1.00 3.00 3.00 3.00 1.00 3.00	3.00 3.00 0.00 0.00 0.00 3.00 0.00	3.00 2.00 3.00 3.00 3.00 1.00-2.00 3.00	\$5 \$24 \$7 \$10
Course No. BUS 243 BUS 260 SOCI 169 COMM 130  COMM 135 BUS 251 PSYC ••• BUS •••  Fifth Quarter	Р	Business Systems Control Business Planning Human Relations in Organizations Speech or Verbal Career Skills Events Planning and Operations II (Optional) Psychology Elective (Required) Business Elective (Required)	T T G G G G	2.00 1.00 3.00 3.00 3.00 1.00 3.00 0.00 12.00-13.00	3.00 3.00 0.00 0.00 0.00 3.00 0.00 0.00	3.00 2.00 3.00 3.00 3.00 1.00-2.00 3.00 3.00 17.00-19.00	\$5 \$24 \$7 \$10 \$10
Course No.  BUS 243  BUS 260  SOCI 169  COMM 130  COMM 135  BUS 251  PSYC •••  BUS •••  Fifth Quarter  Course No.	Р	Business Systems Control Business Planning Human Relations in Organizations Speech or Verbal Career Skills Events Planning and Operations II (Optional) Psychology Elective (Required) Business Elective (Required)	T T G G G G T	2.00 1.00 3.00 3.00 3.00 1.00 3.00 0.00 12.00-13.00	3.00 3.00 0.00 0.00 0.00 3.00 0.00 0.00	3.00 2.00 3.00 3.00 3.00 1.00-2.00 3.00 3.00 17.00-19.00 Credit	\$5 \$24 \$7 \$10
Course No.  BUS 243  BUS 260  SOCI 169  COMM 130  COMM 135  BUS 251  PSYC •••  BUS •••  Fifth Quarter Course No.  BUS 210	Р	Business Systems Control Business Planning Human Relations in Organizations Speech or Verbal Career Skills Events Planning and Operations II (Optional) Psychology Elective (Required) Business Elective (Required)	T T G G G G G T T	2.00 1.00 3.00 3.00 3.00 1.00 3.00 0.00 12.00-13.00 Class 3.00	3.00 3.00 0.00 0.00 0.00 3.00 0.00 0.00	3.00 2.00 3.00 3.00 3.00 1.00-2.00 3.00 17.00-19.00 <u>Credit</u> 3.00	\$5 \$24 \$7 \$10 \$10
Course No.  BUS 243  BUS 260  SOCI 169  COMM 130  COMM 135  BUS 251  PSYC •••  BUS •••  Fifth Quarter  Course No.  BUS 247	Р	Business Systems Control Business Planning Human Relations in Organizations Speech or Verbal Career Skills Events Planning and Operations II (Optional) Psychology Elective (Required) Business Elective (Required)  Course Name Human Resources Management Excel for Windows	T T G G G G G T T Type T	2.00 1.00 3.00 3.00 3.00 1.00 3.00 0.00 12.00-13.00 Class 3.00 2.00	3.00 3.00 0.00 0.00 0.00 3.00 0.00 0.00	3.00 2.00 3.00 3.00 3.00 1.00-2.00 3.00 17.00-19.00 Credit 3.00 3.00	\$5 \$24 \$7 \$10 \$10 Course Fee \$36
Course No.  BUS 243  BUS 260  SOCI 169  COMM 130  COMM 135  BUS 251  PSYC •••  BUS •••  Fifth Quarter  Course No.  BUS 210  BUS 247  ACC 162	Р	Business Systems Control Business Planning Human Relations in Organizations Speech or Verbal Career Skills Events Planning and Operations II (Optional) Psychology Elective (Required) Business Elective (Required)  Course Name Human Resources Management Excel for Windows Microcomputer Accounting	T T G G G G T T Type T T G	2.00 1.00 3.00 3.00 3.00 1.00 3.00 0.00 12.00-13.00 Class 3.00 2.00 1.00	3.00 3.00 0.00 0.00 0.00 3.00 0.00 0.00	3.00 2.00 3.00 3.00 3.00 1.00-2.00 3.00 3.00 17.00-19.00 Credit 3.00 3.00 2.00	\$5 \$24 \$7 \$10 \$10 Course Fee \$36 \$30
Course No. BUS 243 BUS 260 SOCI 169 COMM 130  COMM 135 BUS 251 PSYC ••• BUS •••  Fifth Quarter Course No. BUS 210 BUS 247 ACC 162 COMM 104		Business Systems Control Business Planning Human Relations in Organizations Speech or Verbal Career Skills Events Planning and Operations II (Optional) Psychology Elective (Required) Business Elective (Required)  Course Name Human Resources Management Excel for Windows Microcomputer Accounting Job Search Techniques	T T G G G G T T Type T T G G	2.00 1.00 3.00 3.00 3.00 1.00 3.00 0.00 12.00-13.00  Class 3.00 2.00 1.00 1.00	3.00 3.00 0.00 0.00 0.00 3.00 0.00 0.00	3.00 2.00 3.00 3.00 3.00 1.00-2.00 3.00 17.00-19.00 Credit 3.00 3.00 2.00	\$5 \$24 \$7 \$10 \$10 Course Fee \$36
Course No.  BUS 243  BUS 260  SOCI 169  COMM 130  COMM 135  BUS 251  PSYC •••  BUS •••  Fifth Quarter  Course No.  BUS 210  BUS 247  ACC 162	P	Business Systems Control Business Planning Human Relations in Organizations Speech or Verbal Career Skills Events Planning and Operations II (Optional) Psychology Elective (Required) Business Elective (Required)  Course Name Human Resources Management Excel for Windows Microcomputer Accounting	T T G G G G T T Type T T G	2.00 1.00 3.00 3.00 3.00 1.00 3.00 0.00 12.00-13.00 Class 3.00 2.00 1.00	3.00 3.00 0.00 0.00 0.00 3.00 0.00 0.00	3.00 2.00 3.00 3.00 3.00 1.00-2.00 3.00 3.00 17.00-19.00 Credit 3.00 3.00 2.00	\$5 \$24 \$7 \$10 \$10 Course Fee \$36 \$30
Course No. BUS 243 BUS 260 SOCI 169 COMM 130  COMM 135 BUS 251 PSYC ••• BUS •••  Fifth Quarter Course No. BUS 210 BUS 247 ACC 162 COMM 104		Business Systems Control Business Planning Human Relations in Organizations Speech or Verbal Career Skills Events Planning and Operations II (Optional) Psychology Elective (Required) Business Elective (Required)  Course Name Human Resources Management Excel for Windows Microcomputer Accounting Job Search Techniques Health Science: The Human Machine or Environmental Science	T T G G G G T T Type T T G G	2.00 1.00 3.00 3.00 3.00 1.00 3.00 0.00 12.00-13.00  Class 3.00 2.00 1.00 1.00	3.00 3.00 0.00 0.00 0.00 3.00 0.00 0.00	3.00 2.00 3.00 3.00 3.00 1.00-2.00 3.00 17.00-19.00 Credit 3.00 3.00 2.00	\$5 \$24 \$7 \$10 \$10 \$10 \$2 \$2 \$36 \$30 \$10
Course No. BUS 243 BUS 260 SOCI 169 COMM 130  COMM 135 BUS 251 PSYC ••• BUS •••  Fifth Quarter Course No. BUS 247 ACC 162 COMM 104 BIOS 100		Business Systems Control Business Planning Human Relations in Organizations Speech or Verbal Career Skills Events Planning and Operations II (Optional) Psychology Elective (Required) Business Elective (Required)  Course Name Human Resources Management Excel for Windows Microcomputer Accounting Job Search Techniques Health Science: The Human Machine or Environmental Science	T T G G G T T T G G G G G G G T T G	2.00 1.00 3.00 3.00 3.00 1.00 3.00 0.00 12.00-13.00  Class 3.00 2.00 1.00 1.00 3.00	3.00 3.00 0.00 0.00 0.00 3.00 0.00 6.00-9.00 Lab 2.00 3.00 4.00 0.00	3.00 2.00 3.00 3.00 3.00 1.00-2.00 3.00 17.00-19.00 Credit 3.00 3.00 2.00 1.00 3.00	\$5 \$24 \$7 \$10 \$10 Course Fee \$36 \$30
Course No. BUS 243 BUS 260 SOCI 169 COMM 130  COMM 135 BUS 251 PSYC ••• BUS •••  Fifth Quarter Course No. BUS 247 ACC 162 COMM 104 BIOS 100  BIOS 101 BUS •••		Business Systems Control Business Planning Human Relations in Organizations Speech or Verbal Career Skills Events Planning and Operations II (Optional) Psychology Elective (Required) Business Elective (Required)  Course Name Human Resources Management Excel for Windows Microcomputer Accounting Job Search Techniques Health Science: The Human Machine or	T T G G G T T T G G G G G G G G G G G G	2.00 1.00 3.00 3.00 3.00 1.00 3.00 0.00 12.00-13.00  Class 3.00 2.00 1.00 1.00 3.00 3.00	3.00 3.00 0.00 0.00 0.00 3.00 0.00 6.00-9.00 Lab 2.00 3.00 4.00 0.00	3.00 2.00 3.00 3.00 3.00 1.00-2.00 3.00 17.00-19.00 Credit 3.00 3.00 2.00 1.00 3.00	\$5 \$24 \$7 \$10 \$10 \$10 \$2 \$2 \$36 \$30 \$10
Course No.  BUS 243  BUS 260  SOCI 169  COMM 130  COMM 135  BUS 251  PSYC •••  BUS •••  Fifth Quarter  Course No.  BUS 247  ACC 162  COMM 104  BIOS 100  BIOS 101  BUS •••  Sixth Quarter		Business Systems Control Business Planning Human Relations in Organizations Speech or Verbal Career Skills Events Planning and Operations II (Optional) Psychology Elective (Required) Business Elective (Required)  Course Name Human Resources Management Excel for Windows Microcomputer Accounting Job Search Techniques Health Science: The Human Machine or Environmental Science Business Elective (Required)	T T G G G G T T T G G G	2.00 1.00 3.00 3.00 3.00 1.00 3.00 1.00 1	3.00 3.00 0.00 0.00 0.00 3.00 0.00 0.00	3.00 2.00 3.00 3.00 3.00 1.00-2.00 3.00 17.00-19.00 Credit 3.00 3.00 2.00 1.00 3.00 3.00	\$5 \$24 \$7 \$10 \$10 \$10 \$20
Course No.  BUS 243  BUS 260  SOCI 169  COMM 130  COMM 135  BUS 251  PSYC •••  BUS •••  Fifth Quarter  Course No.  BUS 247  ACC 162  COMM 104  BIOS 100  BIOS 101  BUS •••  Sixth Quarter  Course No.		Business Systems Control Business Planning Human Relations in Organizations Speech or Verbal Career Skills Events Planning and Operations II (Optional) Psychology Elective (Required) Business Elective (Required)  Course Name Human Resources Management Excel for Windows Microcomputer Accounting Job Search Techniques Health Science: The Human Machine or Environmental Science Business Elective (Required)	T T G G G T T G G G T T Type G G T T Type	2.00 1.00 3.00 3.00 3.00 1.00 3.00 1.00 3.00 0.00 12.00-13.00  Class 3.00 2.00 1.00 3.00 3.00 0.00 1.00 Class	3.00 3.00 0.00 0.00 0.00 3.00 0.00 0.00	3.00 2.00 3.00 3.00 3.00 3.00 1.00-2.00 3.00 17.00-19.00  Credit 3.00 3.00 2.00 1.00 3.00 3.00 3.00 Credit 5.00 Credit	\$5 \$24 \$7 \$10 \$10 \$10 \$20 \$20
Course No.  BUS 243  BUS 260  SOCI 169  COMM 130  COMM 135  BUS 251  PSYC •••  BUS •••  Fifth Quarter Course No.  BUS 247  ACC 162  COMM 104  BIOS 100  BIOS 101  BUS •••  Sixth Quarter Course No.  BUS 248		Business Systems Control Business Planning Human Relations in Organizations Speech or Verbal Career Skills Events Planning and Operations II (Optional) Psychology Elective (Required) Business Elective (Required)  Course Name Human Resources Management Excel for Windows Microcomputer Accounting Job Search Techniques Health Science: The Human Machine or Environmental Science Business Elective (Required)  Course Name Advanced Excel	T T G G G T T Type G G T T Type T T T	2.00 1.00 3.00 3.00 3.00 1.00 3.00 0.00 12.00-13.00  Class 3.00 2.00 1.00 3.00 0.00 1.00 Class 2.00 0.00 0.00 0.00 0.00 0.00 0.00 0.	3.00 3.00 0.00 0.00 0.00 0.00 0.00 6.00-9.00  Lab 2.00 3.00 4.00 0.00 0.00 0.00 0.00 0.00 0	3.00 2.00 3.00 3.00 3.00 3.00 1.00-2.00 3.00 17.00-19.00  Credit 3.00 3.00 3.00 3.00 5.00 3.00 5.00 5.00	\$5 \$24 \$7 \$10 \$10 \$10 \$20
Course No.  BUS 243  BUS 260  SOCI 169  COMM 130  COMM 135  BUS 251  PSYC •••  BUS •••  Fifth Quarter Course No.  BUS 247  ACC 162  COMM 104  BIOS 100  BIOS 101  BUS •••  Sixth Quarter Course No.  BUS 248  BUS 296		Business Systems Control Business Planning Human Relations in Organizations Speech or Verbal Career Skills Events Planning and Operations II (Optional) Psychology Elective (Required) Business Elective (Required)  Course Name Human Resources Management Excel for Windows Microcomputer Accounting Job Search Techniques Health Science: The Human Machine or Environmental Science Business Elective (Required)  Course Name Advanced Excel Business Management Practicum	T T G G G T T Type T T T	2.00 1.00 3.00 3.00 3.00 3.00 1.00 3.00 0.00 12.00-13.00  Class 3.00 2.00 1.00 3.00 0.00 1.00 Class 2.00 1.00 0.00 1.00 0.00 1.00 0.00 1.00	3.00 3.00 0.00 0.00 0.00 3.00 0.00 0.00	3.00 2.00 3.00 3.00 3.00 3.00 3.00 3.00	\$5 \$24 \$7 \$10 \$10 \$10 \$20 \$20 \$20
Course No. BUS 243 BUS 260 SOCI 169 COMM 130  COMM 135 BUS 251 PSYC ••• BUS •••  Fifth Quarter Course No. BUS 247 ACC 162 COMM 104 BIOS 100  BIOS 101 BUS •••  Sixth Quarter Course No. BUS 248 BUS 248 BUS 296 HUM 203		Business Systems Control Business Planning Human Relations in Organizations Speech or Verbal Career Skills Events Planning and Operations II (Optional) Psychology Elective (Required) Business Elective (Required)  Course Name Human Resources Management Excel for Windows Microcomputer Accounting Job Search Techniques Health Science: The Human Machine or Environmental Science Business Elective (Required)  Course Name Advanced Excel Business Management Practicum Ethics, Values, and Morality	T T G G G T T Type G G T T Type T T G G G T T Type T T G G G T T Type T T G G G T T T G G G T T T T T T T T	2.00 1.00 3.00 3.00 3.00 3.00 1.00 3.00 0.00 12.00-13.00  Class 3.00 2.00 1.00 3.00 0.00 1.00 Class 2.00 1.00 0.00 1.000	3.00 3.00 0.00 0.00 0.00 0.00 0.00 0.00	3.00 2.00 3.00 3.00 3.00 3.00 1.00-2.00 3.00 17.00-19.00  Credit 3.00 3.00 1.00 3.00 1.00 3.00  Credit 3.00 3.00 3.00 3.00 3.00 3.00 3.00 3.0	\$5 \$24 \$7 \$10 \$10 \$10 \$20 \$20
Course No.  BUS 243  BUS 260  SOCI 169  COMM 130  COMM 135  BUS 251  PSYC •••  BUS •••  Fifth Quarter Course No.  BUS 247  ACC 162  COMM 104  BIOS 100  BIOS 101  BUS •••  Sixth Quarter Course No.  BUS 248  BUS 296		Business Systems Control Business Planning Human Relations in Organizations Speech or Verbal Career Skills Events Planning and Operations II (Optional) Psychology Elective (Required) Business Elective (Required)  Course Name Human Resources Management Excel for Windows Microcomputer Accounting Job Search Techniques Health Science: The Human Machine or Environmental Science Business Elective (Required)  Course Name Advanced Excel Business Management Practicum	T T G G G T T Type T T T	2.00 1.00 3.00 3.00 3.00 1.00 3.00 1.00 3.00 12.00-13.00  Class 3.00 1.00 3.00 0.00 1.00 Class 2.00 1.00 0.00 1.00 0.00 0.00 0.00 0.00	3.00 3.00 0.00 0.00 0.00 0.00 0.00 0.00	3.00 2.00 3.00 3.00 3.00 3.00 1.00-2.00 3.00 17.00-19.00  Credit 3.00 3.00 3.00 3.00 Credit 3.00 3.00 3.00 3.00 3.00 3.00 3.00 3.0	\$5 \$24 \$7 \$10 \$10 \$10 \$20 \$20 \$20
Course No. BUS 243 BUS 260 SOCI 169 COMM 130  COMM 135 BUS 251 PSYC ••• BUS 251 PSYC 100 BUS 247 ACC 162 COMM 104 BIOS 100 BIOS 101 BUS 247 ACC 162 COMM 104 BIOS 100  BIOS 247 BUS 248 BUS 296 BUS 248 BUS 296 BUS 296 BUM 203 BUS •••	Р	Business Systems Control Business Planning Human Relations in Organizations Speech or Verbal Career Skills Events Planning and Operations II (Optional) Psychology Elective (Required) Business Elective (Required)  Course Name Human Resources Management Excel for Windows Microcomputer Accounting Job Search Techniques Health Science: The Human Machine or Environmental Science Business Elective (Required)  Course Name Advanced Excel Business Management Practicum Ethics, Values, and Morality Business Elective (Required)	T T G G G T T Type G G T T Type T T G G G T T Type T T G G G T T Type T T G G G T T T G G G T T T T T T T T	2.00 1.00 3.00 3.00 3.00 3.00 1.00 3.00 0.00 12.00-13.00  Class 3.00 2.00 1.00 3.00 0.00 1.00 Class 2.00 1.00 0.00 1.000	3.00 3.00 0.00 0.00 0.00 0.00 0.00 0.00	3.00 2.00 3.00 3.00 3.00 3.00 1.00-2.00 3.00 17.00-19.00  Credit 3.00 3.00 1.00 3.00 1.00 3.00  Credit 3.00 3.00 3.00 3.00 3.00 3.00 3.00 3.0	\$5 \$24 \$7 \$10 \$10 \$10 \$20 \$20 \$20
Course No. BUS 243 BUS 260 SOCI 169 COMM 130  COMM 135 BUS 251 PSYC ••• BUS •••  Fifth Quarter Course No. BUS 247 ACC 162 COMM 104 BIOS 100  BIOS 101 BUS •••  Sixth Quarter Course No. BUS 248 BUS 296 HUM 203 BUS 296 HUM 203 BUS •••  Technical Credit Hou	P	Business Systems Control Business Planning Human Relations in Organizations Speech or Verbal Career Skills Events Planning and Operations II (Optional) Psychology Elective (Required) Business Elective (Required)  Course Name Human Resources Management Excel for Windows Microcomputer Accounting Job Search Techniques Health Science: The Human Machine or Environmental Science Business Elective (Required)  Course Name Advanced Excel Business Management Practicum Ethics, Values, and Morality Business Elective (Required)  46.00	T T G G G T T Type G G T T Type T T G G G T T Type T T G G G T T Type T T G G G T T T G G G T T T T T T T T	2.00 1.00 3.00 3.00 3.00 1.00 3.00 1.00 3.00 12.00-13.00  Class 3.00 1.00 3.00 0.00 1.00 Class 2.00 1.00 0.00 1.00 0.00 0.00 0.00 0.00	3.00 3.00 0.00 0.00 0.00 0.00 0.00 0.00	3.00 2.00 3.00 3.00 3.00 3.00 1.00-2.00 3.00 17.00-19.00  Credit 3.00 3.00 3.00 3.00 Credit 3.00 3.00 3.00 3.00 3.00 3.00 3.00 3.0	\$5 \$24 \$7 \$10 \$10 \$10 \$20 \$20 \$20
Course No. BUS 243 BUS 260 SOCI 169 COMM 130  COMM 135 BUS 251 PSYC ••• BUS 251 PSYC 100 BUS 247 ACC 162 COMM 104 BIOS 100 BIOS 101 BUS 247 ACC 162 COMM 104 BIOS 100  BIOS 247 BUS 248 BUS 296 BUS 248 BUS 296 BUS 296 BUM 203 BUS •••	P	Business Systems Control Business Planning Human Relations in Organizations Speech or Verbal Career Skills Events Planning and Operations II (Optional) Psychology Elective (Required) Business Elective (Required)  Course Name Human Resources Management Excel for Windows Microcomputer Accounting Job Search Techniques Health Science: The Human Machine or Environmental Science Business Elective (Required)  Course Name Advanced Excel Business Management Practicum Ethics, Values, and Morality Business Elective (Required)	T T G G G T T Type G G T T Type T T G G G T T Type T T G G G T T Type T T G G G T T T G G G T T T T T T T T	2.00 1.00 3.00 3.00 3.00 1.00 3.00 1.00 3.00 12.00-13.00  Class 3.00 1.00 3.00 0.00 1.00 Class 2.00 1.00 0.00 1.00 0.00 0.00 0.00 0.00	3.00 3.00 0.00 0.00 0.00 0.00 0.00 0.00	3.00 2.00 3.00 3.00 3.00 3.00 1.00-2.00 3.00 17.00-19.00  Credit 3.00 3.00 3.00 3.00 Credit 3.00 3.00 3.00 3.00 3.00 3.00 3.00 3.0	\$5 \$24 \$7 \$10 \$10 \$10 \$20 \$20 \$20

Business Management and Entrepreneurship Notes: Students must choose from the following Psychology electives: PSYC 121 (Women In Transition), PSYC 150 (Intro To Psychology), PSYC 151 (Developmental Psychology), PSYC 152 (Abnormal Psychology), or PSYC 154 (Interpersonal Relationships).

To earn an Associate Degree, students must complete at least 15 credit hours from the following electives: Human Resources Management - BUS 230 (Labor-Management Relations), BUS 285 (Human Resources Policy), SUPR 235 (Supervision and Leadership); Retail Management - BUS 130 (Sales), BUS 165 (Advertising), BUS 185 (Retail Store Operations), BUS 206 (Business on the Internet), BUS 211 (Advanced Marketing); Accounting -ACC 102 (Accounting III), ACC 105 (Introduction to Quickbooks), ACC 120 (Payroll Accounting), BUS 240 (Managerial Accounting), ACC 140 (Individual Taxation), ACC 150 (Business Taxation), ACC 200 (Basic Cost Accounting); Real Estate - RE 101 (Real Estate Principles), RE 102 (Real Estate Law), RE 103 (Real Estate Finance), RE 104 (Real Estate Appraisal); Transfer Module - ACC 102 (Accounting III), CS 155 (Applied Statistical Packages), ECON 240 (Principles of Macroeconomics), MATH 205 (Introduction to Calculus); Microcomputer Applications - CS 200 (Introduction to Networking), CS 201 (Advanced Networking), EC 100 (Internet Webmaster II), EC 102 (The Internet as a Business Platform), EC 110 (Marketing on the Internet), EC 200 (Internet Webmaster III), EC 205 (Internet Webmaster III), EC 205 (E-Commerce Banking and Finance), MICS 100 (Basic Computer Skills), MICS 110 (Introduction to Visual Basic), MICS 112 (Introduction to DOS), MICS 115 (PC Operating Systems), MICS 121 (Microsoft Office), MICS 142 (Introduction to Microsoft Word), MICS 145 (Introduction to Windows), MICS 201 (Desktop Publishing), MICS 210 (Microsoft Publisher), NET 100 (Internet and Web Page Design), NET 120 (Computer Architecture and Hardware), NET 200 (Advanced Web Page Design), OAT 222 (Office Presentations-Powerpoint), OAT 250 (Office Publications); International Business - BUS 106 (International Business), BUS 208 (International Money Matters); Financial Management - BUS 120 (Personal Finance), BUS 125 (Principles of Finance).

## Office Management For students entering June, 2002 through May, 2003

First O.								
First Qui			Course Name	Tuno	Class	Lab	Cuadit	0
OAT	107		Telephone Skills	<u>Type</u>	<u>Class</u> 1.00	<u>Lab</u> 1.00	<u>Credit</u> 1.00	Course Fee
OAT	110		Office Procedures I	Ť	3.00	2.00	3.00	\$20 \$5
OAT	113		Office Management Computer Systems	Ť	1.00	1.00	1.00	\$30
COMM	122	Р	Communications II	Ġ	3.00	0.00	3.00	\$20
MATH	108 B		Introduction to Algebra for Business	Ğ	3.00	1.00	3.00	\$16
OAT	100	Р	Information Processing	Ğ	2.00	2.00	2.00	\$35
OAT	180	Р	Keyboarding	G	1.00	1.00	1.00	\$25
OAT	190		Business Communication Skills I	G	1.00	3.00	2.00	\$5
BUS	250		Events Planning and Operations I (Optional)		1.00	3.00	1.00-2.00	
					15.00-16.00	11.00-14.00	16.00-18.00	
Casand (	Ougutan							
Second ( Course N			Course Name	T	Class	1 -1.	0 114	
OAT	111		Course Name Office Procedures II	<u>Type</u> T	Class	Lab	Credit	Course Fee
OAT	114		Electronic Communication	, T	3.00 1.00	2.00 2.00	3.00	\$30
OAT	211		Word Processing-Word Perfect	†	2.00	4.00	2.00 3.00	\$35 \$37
ACC	100	Р	Accounting I	G	2.00	3.00	3.00	\$5/ \$5
COMM	123 A	P P	Communications III (Job Communication)	Ğ	3.00	0.00	3.00	\$20
GS	104		Time Management	Ğ	1.00	0.00	1.00	\$5 \$5
OAT	195		Business Communication Skills II	Ğ	1.00	2.00	2.00	\$5 \$5
					13.00	13.00	17.00	Ψ0
Third Qu			Course Name	<b>T</b>	OI-	1.1.	0 ""	-
Course N OAT	<u>10.</u> 121	Р	Course Name Speed Building I	<u>Type</u>	Class	<u>Lab</u>	Credit	Course Fee
OAT	200	Ρ	Introduction to Transcription	Ţ	1.00	2.00	1.00	\$35
OAT	216		Word Processing-Microsoft Word	Ţ	2.00	4.00	3.00	\$30
OAT	218		Office Budgeting Using Excel	T T	2.00	4.00	3.00	\$37
OAT	216 296 A		Office Management Practicum I	T	2.00	3.00	3.00	\$37
COMM	124	Р	Communications IV	G	1.00 3.00	7.00 0.00	2.00	<b>¢</b> 20
COMM	124	'	Communications iv	G	11.00	20.00	<u>3.00</u> 15.00	\$20
					11.00	20.00	15.00	
Summer	Quarter							
Course N			Course Name	Type	Class	<u>Lab</u>	<u>Credit</u>	Course Fee
See your	advisor regard	ing cours	e offerings.					
Countle O	\							
Fourth 0			Covered No				0	
Course N	-		Course Name	<u>Type</u>	Class	<u>Lab</u>	Credit	Course Fee
OAT	215		Office Database Management Access	T	2.00	2.00	2.00	\$30
OAT OAT	215 220		Office Database Management Access Office Procedures III	T	2.00 2.00	2.00 4.00	2.00 3.00	\$30 \$37
OAT OAT OAT	215 220 222	р	Office Database Management Access Office Procedures III Office Presentation-PowerPoint	T T T	2.00 2.00 1.00	2.00 4.00 2.00	2.00 3.00 1.00	\$30
OAT OAT OAT BUS	215 220 222 120	Р	Office Database Management Access Office Procedures III Office Presentation-PowerPoint Personal Finance	T T T G	2.00 2.00 1.00 3.00	2.00 4.00 2.00 0.00	2.00 3.00 1.00 3.00	\$30 \$37 \$30
OAT OAT OAT	215 220 222	Р	Office Database Management Access Office Procedures III Office Presentation-PowerPoint	T T T	2.00 2.00 1.00	2.00 4.00 2.00	2.00 3.00 1.00	\$30 \$37
OAT OAT OAT BUS	215 220 222 120	Р	Office Database Management Access Office Procedures III Office Presentation-PowerPoint Personal Finance Speech	T T T G	2.00 2.00 1.00 3.00	2.00 4.00 2.00 0.00	2.00 3.00 1.00 3.00	\$30 \$37 \$30 \$10
OAT OAT OAT BUS COMM	215 220 222 120 130	P	Office Database Management Access Office Procedures III Office Presentation-PowerPoint Personal Finance Speech or	T T T G G	2.00 2.00 1.00 3.00 3.00	2.00 4.00 2.00 0.00 0.00	2.00 3.00 1.00 3.00 3.00	\$30 \$37 \$30
OAT OAT OAT BUS COMM COMM BIOS	215 220 222 120 130		Office Database Management Access Office Procedures III Office Presentation-PowerPoint Personal Finance Speech or Verbal Career Skills Health Science: The Human Machine or	T T T G G G	2.00 2.00 1.00 3.00 3.00 3.00 3.00	2.00 4.00 2.00 0.00 0.00 0.00	2.00 3.00 1.00 3.00 3.00 3.00 3.00	\$30 \$37 \$30 \$10 \$10
OAT OAT OAT BUS COMM COMM BIOS	215 220 222 120 130 135 100		Office Database Management Access Office Procedures III Office Presentation-PowerPoint Personal Finance Speech or Verbal Career Skills Health Science: The Human Machine or Environmental Science	T T T G G G	2.00 2.00 1.00 3.00 3.00 3.00 3.00	2.00 4.00 2.00 0.00 0.00 0.00 0.00	2.00 3.00 1.00 3.00 3.00 3.00 3.00	\$30 \$37 \$30 \$10
OAT OAT OAT BUS COMM COMM BIOS	215 220 222 120 130		Office Database Management Access Office Procedures III Office Presentation-PowerPoint Personal Finance Speech or Verbal Career Skills Health Science: The Human Machine or	T T T G G G	2.00 2.00 1.00 3.00 3.00 3.00 3.00 3.00	2.00 4.00 2.00 0.00 0.00 0.00 0.00 0.00	2.00 3.00 1.00 3.00 3.00 3.00 3.00 3.00 1.00-2.00	\$30 \$37 \$30 \$10 \$10
OAT OAT OAT BUS COMM COMM BIOS	215 220 222 120 130 135 100		Office Database Management Access Office Procedures III Office Presentation-PowerPoint Personal Finance Speech or Verbal Career Skills Health Science: The Human Machine or Environmental Science	T T T G G G	2.00 2.00 1.00 3.00 3.00 3.00 3.00	2.00 4.00 2.00 0.00 0.00 0.00 0.00	2.00 3.00 1.00 3.00 3.00 3.00 3.00	\$30 \$37 \$30 \$10 \$10
OAT OAT OAT BUS COMM COMM BIOS	215 220 222 120 130 135 100		Office Database Management Access Office Procedures III Office Presentation-PowerPoint Personal Finance Speech or Verbal Career Skills Health Science: The Human Machine or Environmental Science	T T T G G G	2.00 2.00 1.00 3.00 3.00 3.00 3.00 3.00	2.00 4.00 2.00 0.00 0.00 0.00 0.00 0.00	2.00 3.00 1.00 3.00 3.00 3.00 3.00 3.00 1.00-2.00	\$30 \$37 \$30 \$10 \$10
OAT OAT OAT BUS COMM COMM BIOS BIOS BUS	215 220 222 120 130 135 100 101 251		Office Database Management Access Office Procedures III Office Presentation-PowerPoint Personal Finance Speech or Verbal Career Skills Health Science: The Human Machine or Environmental Science	T T G G G G	2.00 2.00 1.00 3.00 3.00 3.00 3.00 3.00 3.00 1.00 1	2.00 4.00 2.00 0.00 0.00 0.00 0.00 0.00	2.00 3.00 1.00 3.00 3.00 3.00 3.00 3.00 1.00-2.00 15.00-17.00	\$30 \$37 \$30 \$10 \$10 \$20
OAT OAT OAT BUS COMM COMM BIOS BIOS BUS	215 220 222 120 130 135 100 101 251		Office Database Management Access Office Procedures III Office Presentation-PowerPoint Personal Finance Speech or Verbal Career Skills Health Science: The Human Machine or Environmental Science Events Planning and Operations II (Optional)	T T T G G G	2.00 2.00 1.00 3.00 3.00 3.00 3.00 3.00	2.00 4.00 2.00 0.00 0.00 0.00 0.00 0.00	2.00 3.00 1.00 3.00 3.00 3.00 3.00 3.00 1.00-2.00	\$30 \$37 \$30 \$10 \$10 \$20
OAT OAT OAT BUS COMM COMM BIOS BIOS BUS Fifth Qu. Course N	215 220 222 120 130 135 100 101 251		Office Database Management Access Office Procedures III Office Presentation-PowerPoint Personal Finance Speech or Verbal Career Skills Health Science: The Human Machine or Environmental Science Events Planning and Operations II (Optional)	T T T G G G G G G G	2.00 2.00 1.00 3.00 3.00 3.00 3.00 3.00 3.00 1.00 1	2.00 4.00 2.00 0.00 0.00 0.00 0.00 0.00	2.00 3.00 1.00 3.00 3.00 3.00 3.00 3.00 1.00-2.00 15.00-17.00	\$30 \$37 \$30 \$10 \$10 \$20 Course Fee \$37
OAT OAT OAT BUS COMM BIOS BIOS BUS Fifth Qu Course N	215 220 222 120 130 135 100 101 251		Office Database Management Access Office Procedures III Office Presentation-PowerPoint Personal Finance Speech or Verbal Career Skills Health Science: The Human Machine or Environmental Science Events Planning and Operations II (Optional)  Course Name Office Simulation I	T T T T G G G G G G G G G G G G G G G G	2.00 2.00 1.00 3.00 3.00 3.00 3.00 3.00 1.00 1	2.00 4.00 2.00 0.00 0.00 0.00 0.00 0.00	2.00 3.00 1.00 3.00 3.00 3.00 3.00 3.00 1.00-2.00 15.00-17.00	\$30 \$37 \$30 \$10 \$10 \$20
OAT OAT OAT BUS COMM BIOS BIOS BUS Fifth Que Course N OAT OAT OAT BUS	215 220 222 120 130 135 100 101 251 arter 10. 102 230		Office Database Management Access Office Procedures III Office Presentation-PowerPoint Personal Finance Speech or Verbal Career Skills Health Science: The Human Machine or Environmental Science Events Planning and Operations II (Optional)  Course Name Office Simulation I Administrative Transcription Office Publications and Presentations Business Law	T T G G G G G G T T T T G	2.00 2.00 1.00 3.00 3.00 3.00 3.00 3.00 1.00 1	2.00 4.00 2.00 0.00 0.00 0.00 0.00 0.00	2.00 3.00 1.00 3.00 3.00 3.00 3.00 3.00 1.00-2.00 15.00-17.00	\$30 \$37 \$30 \$10 \$10 \$20 Course Fee \$37 \$37
OAT OAT OAT BUS COMM BIOS BIOS BUS Fifth Qui Course N OAT OAT OAT BUS COMM	215 220 222 120 130  135 100  101 251  arter 102 230 250 200 104	Р	Office Database Management Access Office Procedures III Office Presentation-PowerPoint Personal Finance Speech or Verbal Career Skills Health Science: The Human Machine or Environmental Science Events Planning and Operations II (Optional)  Course Name Office Simulation I Administrative Transcription Office Publications and Presentations Business Law Job Search Techniques	T T T G G G G G T T T T G G	2.00 2.00 1.00 3.00 3.00 3.00 3.00 3.00 1.00 1	2.00 4.00 2.00 0.00 0.00 0.00 0.00 0.00	2.00 3.00 1.00 3.00 3.00 3.00 3.00 3.00  1.00-2.00 15.00-17.00  Credit 3.00 3.00 3.00 3.00	\$30 \$37 \$30 \$10 \$10 \$20 Course Fee \$37 \$37
OAT OAT OAT BUS COMM BIOS BIOS BUS Fifth Que Course N OAT OAT OAT BUS	215 220 222 120 130 135 100  101 251  arter 10. 102 230 250 200		Office Database Management Access Office Procedures III Office Presentation-PowerPoint Personal Finance Speech or Verbal Career Skills Health Science: The Human Machine or Environmental Science Events Planning and Operations II (Optional)  Course Name Office Simulation I Administrative Transcription Office Publications and Presentations Business Law	T T G G G G G G T T T T G	2.00 2.00 1.00 3.00 3.00 3.00 3.00 3.00 1.00 1	2.00 4.00 2.00 0.00 0.00 0.00 0.00 3.00 8.00-11.00 Lab 4.00 4.00 4.00 0.00 0.00 0.00	2.00 3.00 1.00 3.00 3.00 3.00 3.00 3.00  1.00-2.00 15.00-17.00  Credit 3.00 3.00 3.00 3.00 3.00 3.00 3.00 3.0	\$30 \$37 \$30 \$10 \$10 \$20 Course Fee \$37 \$37 \$37
OAT OAT OAT BUS COMM BIOS BIOS BUS Fifth Qui Course N OAT OAT OAT BUS COMM	215 220 222 120 130  135 100  101 251  arter 102 230 250 200 104	Р	Office Database Management Access Office Procedures III Office Presentation-PowerPoint Personal Finance Speech or Verbal Career Skills Health Science: The Human Machine or Environmental Science Events Planning and Operations II (Optional)  Course Name Office Simulation I Administrative Transcription Office Publications and Presentations Business Law Job Search Techniques	T T T G G G G G T T T T G G	2.00 2.00 1.00 3.00 3.00 3.00 3.00 3.00 1.00 1	2.00 4.00 2.00 0.00 0.00 0.00 0.00 3.00 8.00-11.00 Lab 4.00 4.00 4.00 0.00	2.00 3.00 1.00 3.00 3.00 3.00 3.00 3.00  1.00-2.00 15.00-17.00  Credit 3.00 3.00 3.00 3.00 3.00	\$30 \$37 \$30 \$10 \$10 \$20 Course Fee \$37 \$37 \$37 \$10
OAT OAT OAT OAT BUS COMM BIOS BIOS BUS Fifth Qu. Course N OAT OAT OAT BUS COMM PSYC	215 220 222 120 130  135 100  101 251  arter lo.  102 230 250 200 104 150	Р	Office Database Management Access Office Procedures III Office Presentation-PowerPoint Personal Finance Speech or Verbal Career Skills Health Science: The Human Machine or Environmental Science Events Planning and Operations II (Optional)  Course Name Office Simulation I Administrative Transcription Office Publications and Presentations Business Law Job Search Techniques	T T T G G G G G T T T T G G	2.00 2.00 1.00 3.00 3.00 3.00 3.00 3.00 1.00 1	2.00 4.00 2.00 0.00 0.00 0.00 0.00 3.00 8.00-11.00 Lab 4.00 4.00 4.00 0.00 0.00 0.00	2.00 3.00 1.00 3.00 3.00 3.00 3.00 3.00  1.00-2.00 15.00-17.00  Credit 3.00 3.00 3.00 3.00 3.00 3.00 3.00 3.0	\$30 \$37 \$30 \$10 \$10 \$20 Course Fee \$37 \$37 \$37 \$10
OAT OAT OAT BUS COMM BIOS BIOS BUS Fifth Qu. Course N OAT OAT OAT BUS COMM PSYC	215 220 222 120 130 135 100  101 251  arter 10. 102 230 250 200 104 150	Р	Office Database Management Access Office Procedures III Office Presentation-PowerPoint Personal Finance Speech or Verbal Career Skills Health Science: The Human Machine or Environmental Science Events Planning and Operations II (Optional)  Course Name Office Simulation I Administrative Transcription Office Publications and Presentations Business Law Job Search Techniques	T T G G G G G T T T G G	2.00 2.00 1.00 3.00 3.00 3.00 3.00 3.00 1.00 1	2.00 4.00 2.00 0.00 0.00 0.00 0.00 0.00	2.00 3.00 1.00 3.00 3.00 3.00 3.00 3.00 3	\$30 \$37 \$30 \$10 \$10 \$20 <b>Course Fee</b> \$37 \$37 \$37 \$37 \$37 \$37
OAT OAT OAT OAT BUS COMM BIOS BIOS BUS Fifth Que Course N OAT OAT BUS COMM PSYC Sixth Que Course N	215 220 222 120 130  135 100  101 251  arter 10. 230 200 104 150	Р	Office Database Management Access Office Procedures III Office Presentation-PowerPoint Personal Finance Speech or Verbal Career Skills Health Science: The Human Machine or Environmental Science Events Planning and Operations II (Optional)  Course Name Office Simulation I Administrative Transcription Office Publications and Presentations Business Law Job Search Techniques Introduction to Psychology	T T T G G G G G T T T T G G	2.00 2.00 1.00 3.00 3.00 3.00 3.00 3.00 1.00 1	2.00 4.00 2.00 0.00 0.00 0.00 0.00 0.00	2.00 3.00 1.00 3.00 3.00 3.00 3.00 3.00 3	\$30 \$37 \$30 \$10 \$10 \$20 <b>Course Fee</b> \$37 \$37 \$37 \$37 \$7
OAT OAT OAT BUS COMM BIOS BIOS BUS Fifth Qu. Course N OAT OAT OAT BUS COMM PSYC	215 220 222 120 130 135 100  101 251  arter 10. 102 230 250 200 104 150	Р	Office Database Management Access Office Procedures III Office Presentation-PowerPoint Personal Finance Speech or Verbal Career Skills Health Science: The Human Machine or Environmental Science Events Planning and Operations II (Optional)  Course Name Office Simulation I Administrative Transcription Office Publications and Presentations Business Law Job Search Techniques Introduction to Psychology	T T T G G G G G G G G G G G G G G G G G	2.00 2.00 1.00 3.00 3.00 3.00 3.00 3.00 1.00 1	2.00 4.00 2.00 0.00 0.00 0.00 0.00 0.00	2.00 3.00 1.00 3.00 3.00 3.00 3.00 3.00 3	\$30 \$37 \$30 \$10 \$10 \$20 Course Fee \$37 \$37 \$37 \$37 \$37 \$37 \$37 \$37
OAT OAT OAT BUS COMM BIOS BIOS BIOS BUS Fifth Qui Course N OAT OAT BUS COMM PSYC Sixth Qui Course N OAT	215 220 222 120 130  135 100  101 251  arter 10. 102 230 250 200 104 150	Р	Office Database Management Access Office Procedures III Office Presentation-PowerPoint Personal Finance Speech or Verbal Career Skills Health Science: The Human Machine or Environmental Science Events Planning and Operations II (Optional)  Course Name Office Simulation I Administrative Transcription Office Publications and Presentations Business Law Job Search Techniques Introduction to Psychology  Course Name Integrated Office Software	T T T G G G G G G G G G G G G G G G G G	2.00 2.00 1.00 3.00 3.00 3.00 3.00 3.00 1.00 1	2.00 4.00 2.00 0.00 0.00 0.00 0.00 0.00	2.00 3.00 1.00 3.00 3.00 3.00 3.00 3.00 3	\$30 \$37 \$30 \$10 \$10 \$20 <b>Course Fee</b> \$37 \$37 \$37 \$37 \$7
OAT OAT OAT OAT BUS COMM BIOS BIOS BUS  Fifth Qu Course N OAT OAT OAT OAT SYC  Sixth Qu Course N OAT OAT	215 220 222 120 130 135 100  101 251  arter 10. 250 200 104 150	Р	Office Database Management Access Office Procedures III Office Presentation-PowerPoint Personal Finance Speech or Verbal Career Skills Health Science: The Human Machine or Environmental Science Events Planning and Operations II (Optional)  Course Name Office Simulation I Administrative Transcription Office Publications and Presentations Business Law Job Search Techniques Introduction to Psychology  Course Name Integrated Office Software Office Simulation II (Capstone)	T T T T G G G G G T Type T T G G G G T Type T T T G G G T T T T T G G G T T T T T	2.00 2.00 1.00 3.00 3.00 3.00 3.00 1.00 14.00-15.00  Class 2.00 2.00 2.00 3.00 1.00 3.00 1.00  Class 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.	2.00 4.00 2.00 0.00 0.00 0.00 0.00 3.00 8.00-11.00  Lab 4.00 4.00 4.00 0.00 0.00 0.00 0.00 12.00	2.00 3.00 1.00 3.00 3.00 3.00 3.00 3.00 1.00-2.00 15.00-17.00  Credit 3.00 3.00 3.00 1.00 2.00 1.00 2.00 1.00 3.00 3.00 3.00 3.00 3.00 3.00 3	\$30 \$37 \$30 \$10 \$10 \$20 Course Fee \$37 \$37 \$37 \$37 \$37 \$37 \$37 \$37
OAT OAT OAT OAT BUS COMM BIOS BIOS BUS Fifth Qui Course N OAT OAT OAT BUS COMM PSYC  Sixth Qui Course N OAT	215 220 222 120 130 135 100  101 251  arter 40. 102 230 250 200 104 150  arter 40. 240 260 296 B 203	Р	Office Database Management Access Office Procedures III Office Presentation-PowerPoint Personal Finance Speech or Verbal Career Skills Health Science: The Human Machine or Environmental Science Events Planning and Operations II (Optional)  Course Name Office Simulation I Administrative Transcription Office Publications and Presentations Business Law Job Search Techniques Introduction to Psychology  Course Name Integrated Office Software Office Simulation II (Capstone) Office Management Practicum II Ethics, Values, and Morality or	T T T G G G G G Type T T G G G G T T T G G G G G T T T G G G G T T T T G G G G T T T T G G G G T T T T G G G G T T T T G G G G T T T T G G G G T T T T G G G G T T T T G G G G T T T T G G G G T T T T G G G G T T T T G G G G T T T T G G G G T T T T G G G G T T T T G G G G T T T T G G G G T T T T T G G G G T T T T T G G G G T T T T T G G G G T T T T T T G G G G T	2.00 2.00 1.00 3.00 3.00 3.00 3.00 3.00 3.00 1.00 1	2.00 4.00 2.00 0.00 0.00 0.00 0.00 0.00	2.00 3.00 1.00 3.00 3.00 3.00 3.00 3.00 3	\$30 \$37 \$30 \$10 \$10 \$10 \$20 Course Fee \$37 \$37 \$37 \$10 \$7
OAT OAT OAT OAT BUS COMM BIOS BIOS BUS Fifth Que Course N OAT OAT BUS COMM PSYC  Sixth Que Course N OAT	215 220 222 120 130  135 100  101 251  arter 10. 230 250 200 104 150  arter 40. 240 260 296 B 203	P	Office Database Management Access Office Procedures III Office Presentation-PowerPoint Personal Finance Speech or Verbal Career Skills Health Science: The Human Machine or Environmental Science Events Planning and Operations II (Optional)  Course Name Office Simulation I Administrative Transcription Office Publications and Presentations Business Law Job Search Techniques Introduction to Psychology  Course Name Integrated Office Software Office Simulation II (Capstone) Office Management Practicum II Ethics, Values, and Morality or Interpersonal Relationships	T T T G G G G G Type T T G G G G G G G G G G G G G G G G G	2.00 2.00 1.00 3.00 3.00 3.00 3.00 3.00 1.00 1	2.00 4.00 2.00 0.00 0.00 0.00 0.00 0.00	2.00 3.00 1.00 3.00 3.00 3.00 3.00 3.00 3	\$30 \$37 \$30 \$10 \$10 \$10 \$20 Course Fee \$37 \$37 \$37 \$37 \$37 \$37 \$37 \$37 \$37 \$37
OAT OAT OAT OAT BUS COMM BIOS BIOS BUS  Fifth Qu Course N OAT OAT OAT OAT OAT OAT OAT HUM PSYC	215 220 222 120 130 135 100  101 251  arter 10. 102 230 250 200 104 150  arter 10. 240 260 296 B 203 154 122	Р	Office Database Management Access Office Procedures III Office Presentation-PowerPoint Personal Finance Speech or Verbal Career Skills Health Science: The Human Machine or Environmental Science Events Planning and Operations II (Optional)  Course Name Office Simulation I Administrative Transcription Office Publications and Presentations Business Law Job Search Techniques Introduction to Psychology  Course Name Integrated Office Software Office Simulation II (Capstone) Office Management Practicum II Ethics, Values, and Morality or Interpersonal Relationships Speed Building II (Optional)	TTTTGGGGGGGTType TTTGGGGGTTTTGGGGT	2.00 2.00 1.00 3.00 3.00 3.00 3.00 3.00 1.00 1	2.00 4.00 2.00 0.00 0.00 0.00 0.00 3.00 8.00-11.00  Lab 4.00 4.00 4.00 0.00 0.00 12.00  Lab 4.00 4.00 0.00 0.00 0.00 0.00 0.00 0.0	2.00 3.00 1.00 3.00 3.00 3.00 3.00 3.00 3	\$30 \$37 \$30 \$10 \$10 \$10 \$20 Course Fee \$37 \$37 \$37 \$10 \$7
OAT OAT OAT OAT BUS COMM BIOS BIOS BUS Fifth Que Course N OAT OAT BUS COMM PSYC  Sixth Que Course N OAT	215 220 222 120 130  135 100  101 251  arter 10. 230 250 200 104 150  arter 40. 240 260 296 B 203	P	Office Database Management Access Office Procedures III Office Presentation-PowerPoint Personal Finance Speech or Verbal Career Skills Health Science: The Human Machine or Environmental Science Events Planning and Operations II (Optional)  Course Name Office Simulation I Administrative Transcription Office Publications and Presentations Business Law Job Search Techniques Introduction to Psychology  Course Name Integrated Office Software Office Simulation II (Capstone) Office Management Practicum II Ethics, Values, and Morality or Interpersonal Relationships	T T T G G G G G Type T T G G G G G G G G G G G G G G G G G	2.00 2.00 1.00 3.00 3.00 3.00 3.00 3.00 1.00 1	2.00 4.00 2.00 0.00 0.00 0.00 0.00 3.00 8.00-11.00  Lab 4.00 4.00 4.00 0.00 0.00 0.00 12.00  Lab 4.00 7.00 0.00 0.00 0.00 0.00 0.00 0.00	2.00 3.00 1.00 3.00 3.00 3.00 3.00 3.00 3	\$30 \$37 \$30 \$10 \$10 \$10 \$20 Course Fee \$37 \$37 \$37 \$37 \$37 \$37 \$37 \$37 \$37 \$37
OAT OAT OAT OAT BUS COMM BIOS BIOS BUS  Fifth Qu Course N OAT OAT OAT OAT OAT OAT OAT HUM PSYC	215 220 222 120 130 135 100  101 251  arter 10. 102 230 250 200 104 150  arter 10. 240 260 296 B 203 154 122	P	Office Database Management Access Office Procedures III Office Presentation-PowerPoint Personal Finance Speech or Verbal Career Skills Health Science: The Human Machine or Environmental Science Events Planning and Operations II (Optional)  Course Name Office Simulation I Administrative Transcription Office Publications and Presentations Business Law Job Search Techniques Introduction to Psychology  Course Name Integrated Office Software Office Simulation II (Capstone) Office Management Practicum II Ethics, Values, and Morality or Interpersonal Relationships Speed Building II (Optional)	TTTTGGGGGGGTType TTTGGGGGTTTTGGGGT	2.00 2.00 1.00 3.00 3.00 3.00 3.00 3.00 1.00 1	2.00 4.00 2.00 0.00 0.00 0.00 0.00 3.00 8.00-11.00  Lab 4.00 4.00 4.00 0.00 0.00 12.00  Lab 4.00 4.00 0.00 0.00 0.00 0.00 0.00 0.0	2.00 3.00 1.00 3.00 3.00 3.00 3.00 3.00 3	\$30 \$37 \$30 \$10 \$10 \$10 \$20 Course Fee \$37 \$37 \$37 \$37 \$37 \$37 \$37 \$37 \$37 \$37
OAT OAT OAT OAT BUS COMM BIOS BIOS BUS Fifth Qu. Course N OAT OAT BUS COMM PSYC  Sixth Qu Course N OAT	215 220 222 120 130 135 100  101 251  arter 10. 102 230 250 200 104 150  arter 10. 240 260 296 B 203 154 122	P	Office Database Management Access Office Procedures III Office Presentation-PowerPoint Personal Finance Speech or Verbal Career Skills Health Science: The Human Machine or Environmental Science Events Planning and Operations II (Optional)  Course Name Office Simulation I Administrative Transcription Office Publications and Presentations Business Law Job Search Techniques Introduction to Psychology  Course Name Integrated Office Software Office Simulation II (Capstone) Office Management Practicum II Ethics, Values, and Morality or Interpersonal Relationships Speed Building II (Optional)	TTTTGGGGGGGTType TTTGGGGGTTTTGGGGT	2.00 2.00 1.00 3.00 3.00 3.00 3.00 3.00 1.00 1	2.00 4.00 2.00 0.00 0.00 0.00 0.00 3.00 8.00-11.00  Lab 4.00 4.00 4.00 0.00 0.00 0.00 12.00  Lab 4.00 7.00 0.00 0.00 0.00 0.00 0.00 0.00	2.00 3.00 1.00 3.00 3.00 3.00 3.00 3.00 3	\$30 \$37 \$30 \$10 \$10 \$10 \$20 Course Fee \$37 \$37 \$37 \$37 \$37 \$37 \$37 \$37 \$37 \$37
OAT OAT OAT OAT BUS COMM BIOS BIOS BUS  Fifth Qu Course N OAT OAT OAT OAT OAT OAT OAT HUM PSYC  Technical General ( General (	215 220 222 120 130 135 100  101 251  arter 10. 102 230 250 200 104 150  arter 10. 240 260 296 B 203  154 122 ••• I Credit Hours Credit Hours	P	Office Database Management Access Office Procedures III Office Presentation-PowerPoint Personal Finance Speech or Verbal Career Skills Health Science: The Human Machine or Environmental Science Events Planning and Operations II (Optional)  Course Name Office Simulation I Administrative Transcription Office Publications and Presentations Business Law Job Search Techniques Introduction to Psychology  Course Name Integrated Office Software Office Simulation II (Capstone) Office Management Practicum II Ethics, Values, and Morality or Interpersonal Relationships Speed Building II (Optional) Office Administration Elective (Optional)  48.00–52.00 42.00–46.00	TTTTGGGGGGGTType TTTGGGGGTTTTGGGGT	2.00 2.00 1.00 3.00 3.00 3.00 3.00 3.00 1.00 1	2.00 4.00 2.00 0.00 0.00 0.00 0.00 3.00 8.00-11.00  Lab 4.00 4.00 4.00 0.00 0.00 0.00 12.00  Lab 4.00 7.00 0.00 0.00 0.00 0.00 0.00 0.00	2.00 3.00 1.00 3.00 3.00 3.00 3.00 3.00 3	\$30 \$37 \$30 \$10 \$10 \$10 \$20 Course Fee \$37 \$37 \$37 \$37 \$37 \$37 \$37 \$37 \$37 \$37
OAT OAT OAT OAT BUS COMM BIOS BIOS BUS  Fifth Qu Course N OAT OAT OAT OAT OAT OAT OAT HUM PSYC  Technical General ( General (	215 220 222 120 130 135 100  101 251  arter 10.  102 230 250 200 104 150  arter 10.  240 260 296 B 203  154 122 •••  I Credit Hours	P	Office Database Management Access Office Procedures III Office Presentation-PowerPoint Personal Finance Speech or Verbal Career Skills Health Science: The Human Machine or Environmental Science Events Planning and Operations II (Optional)  Course Name Office Simulation I Administrative Transcription Office Publications and Presentations Business Law Job Search Techniques Introduction to Psychology  Course Name Integrated Office Software Office Simulation II (Capstone) Office Management Practicum II Ethics, Values, and Morality or Interpersonal Relationships Speed Building II (Optional) Office Administration Elective (Optional)	TTTTGGGGGGGTType TTTGGGGGTTTTGGGGT	2.00 2.00 1.00 3.00 3.00 3.00 3.00 3.00 1.00 1	2.00 4.00 2.00 0.00 0.00 0.00 0.00 3.00 8.00-11.00  Lab 4.00 4.00 4.00 0.00 0.00 0.00 12.00  Lab 4.00 7.00 0.00 0.00 0.00 0.00 0.00 0.00	2.00 3.00 1.00 3.00 3.00 3.00 3.00 3.00 3	\$30 \$37 \$30 \$10 \$10 \$10 \$20 Course Fee \$37 \$37 \$37 \$37 \$37 \$37 \$37 \$37 \$37 \$37

#### School of Business Certificates

#### Certificates of Completion

#### Accounting Clerk/Payroll Clerk

Objective: To prepare students for entry level accounting tasks of a clerical nature. This includes the ability to compute and record payroll and related taxes. (3 quarters)

Course	No.		Course Name	Credits
ACC	120	Р	Payroll Accounting	3
ACC	140		Individual Taxation	3
ACC	150	Р	Business Taxation	4
				10

#### Accounts Payable/Accounts Receivable Clerk

Objective: To prepare students for entry level accounting tasks of a clerical nature. Specifically Accounts Payable Clerk/Accounts Receivable Clerk. (2 quarters)

Course	No.		Course Name	Credits
ACC	100	Р	Accounting I	3
ACC	101	Ρ	Accounting II	3
ACC	130	Ρ	Business and Accounting Machines	2
ACC	162		Microcomputer Accounting	2
			·	10

#### Cost Clerk

Objective: To prepare the student for all clerical tasks involved in accounting for manufacturers that use cost systems. Prerequisite: Accounting Clerk/Payroll Clerk Certificate. (3 quarters)

Course	No.		Course Name	Credits
ACC	200	Р	Basic Cost Accounting	3
ACC	201		Advanced Cost Accounting	4
ACC	210		Cost Accounting Simulation	1
				8

#### File Clerk

Objective: To prepare the student to sort and file business records by alphabetic, numeric, subject, and geographic systems. Special activity is also needed. The student must complete ten (10) hours of microfilming procedures in the Records Office of Hocking College.

Course	No.	Course Name	<u>Credits</u>
OAT	110	Office Procedures I	3
GS	104	Time Management	<u>1</u>
			4

#### Introduction to International Business

Objective: To introduce the student to the concepts of international business matters in the areas of importing, exporting, and money matters.

Course	No.	Course Name	Credits
BUS	106	International Business	3
BUS	208	International Money Matters	<u>3</u>
			6

#### Salesperson

Objective: To prepare the student for the position of Salesperson Level I.

objective, to prepare the student for the position of salesperson bever						
Course	No.		Course Name	Credits		
BUS	100	P	Small Business Management I	3		
BUS	130		Sales	3		
BUS	110		Marketing	3		
			-	Q		

#### Occupational Certificates

#### Administrative Transcriptionist

Objective: To prepare students to use the typewriter to transcribe letters, reports, or other recorded data heard through earphones or transcribing machines.

Course	No.		Course Name	Credits
OAT	100	Р	Information Processing	2
OAT	102		Office Simulation I	3
OAT	113		Office Administration Computer	1

			Systems	
OAT	114		Electronic Communication	2
OAT	180	Р	Keyboarding	1
OAT	190		Business Communication Skills I	2
OAT	195		Business Communication Skills II	2
OAT	200		Introduction to Transcription	3
OAT	211		Word Processing-Word Perfect	3
OAT	216		Word Processing-Microsoft Word	3
OAT	230		Administrative Transcription	3
COMM	122	P	Communications II	3
				28

#### Clerk/Basic Typist

Objective: To prepare students to perform entry level duties in a business or professional office.

Course	No.		Course Name	Credits
OAT	100	Р	Information Processing	2
OAT	107		Telephone Skills	1
OAT	110		Office Procedures I	3
OAT	111		Office Procedures II	3
OAT	113		Office Management Computer	1
			Systems	
OAT	114		Electronic Communication	2
OAT	180	Ρ	Keyboarding	1
OAT	190		Business Communication Skills I	2
OAT	195		Business Communication Skills II	2
OAT	211		Word Processing-Word Perfect	3
			or	
OAT	216		Word Processing-Microsoft Word	3
				20

#### Computer Applications for Business Owners

Objective: To train students for the basic microcomputer skills necessary to run a small business.

Course	No.		Course Name	Credits
ACC	100	Р	Accounting I	3
BUS	247		Excel for Windows	3
ACC	101	Р	Accounting II	3
ACC	162		Microcomputer Accounting	2
OAT	211		Word Processing-Word Perfect	3
MICS	201		Desktop Publishing	2
BUS	248		Advanced Excel	3
OAT	240		Integrated Office Software	3
				22

#### **Entrepreneurial Specialist**

Objective: To prepare the student to manage his/her own business in an innovative and creative manner.

an mino	Tucite ui	in cice	ative indimet.	
Course	No.		Course Name	Credits
ACC	100	Р	Accounting I	3
ACC	120	Р	Payroll Accounting	3
ACC	150	Р	Business Taxation	4
BUS	102	Р	Principles and Practices of	3
			Management I	
BUS	110		Marketing	3
BUS	130		Sales	3
BUS	100	Р	Small Business Management I	3
BUS	200		Business Law	3
BUS	101	P	Small Business Management II	3
BUS	260		Business Planning	2
BUS	247		Excel for Windows	<u>3</u>
				33

#### Federal Taxation

Objective: Students will be able to use forms, manuals, and techniques associated with Federal tax laws and regulations. The student will acquire skills in the preparation of tax forms and knowledge of commercial software packages. The student will qualify for tax preparation positions with private and governmental agencies.

Course No.			Course Name	Credits	
ACC	100	P	Accounting I	3	
ACC	120	Р	Payroll Accounting	3	
ACC	101	Ρ	Accounting II	3	
ACC,	140		Individual Taxation	3	
ACC	150	Ρ	Business Taxation	4	
ACC	162		Microcomputer Accounting	2	
				18	

#### Industrial Salesperson

Objective: To train engineering and business graduates for entry level positions in industrial selling.

10010110		ar semingr		
Course No.		Course Name	Credits	
BUS	110	Marketing	3	
BUS	130	Sales	3	
COMM	130	Speech	3	
ISE	107	Manufacturing I	3	
BUS	211	Advanced Marketing	3	
SUPR	235	Supervision and Leadership	3	
CER	203	Statistical Quality and Process Co	ntrol 3	
CS	155	or Applied Statistical Packages	<u>3</u> 21	

#### Management Specialist

Objective: To prepare the student for the position of management specialist.

speciali	٥١.			
Course No.			Course Name	Credits
BUS	102	Р	Principles and Practices of	3
			Management I	
ACC	100	Р	Accounting I	3
BUS	125		Principles of Finance	4
BUS	103		Principles and Practices of	3
			Management II	
			or	
BUS	230		Labor-Management Relations	3
BUS	100	Р	Small Business Management I	3
BUS	101	Р	Small Business Management II	3
BUS	210		Human Resources Management	3
BUS	260		Business Planning	2
BUS	296		Business Practicum/Seminar	2
SUPR	235		Supervision and Leadership	3
				29

#### Microcomputer Accounting

Objective: Students will be able to choose appropriate commercial software packages, acquire skills in the use of microcomputer accounting software, and enter job markets associated with bookkeeping, folio auditing, and as an accountant's assistant.

Course	No.		Course Name	Credits
ACC	100	Р	Accounting I	3
ACC	120	Р	Payroll Accounting	3
ACC	101	Р	Accounting II	3
ACC	162		Microcomputer Accounting	2
BUS	247		Excel for Windows	3
BUS	248		Advanced Excel	3
				17

#### Non-Profit Accounting

Objective: Students will be able to apply the special accounting procedures and practices of non-profit accounting and acquire skill in tax form selection and preparation. Students will be able to gain entry into non-profit agencies and organizations as a bookkeeper/accountant.

Course No.			Course Name	<u>Credits</u>
ACC	100	Р	Accounting I	3
ACC	120	P	Payroll Accounting	3
ACC	101	Р	Accounting II	3
ACC	162		Microcomputer Accounting	2
ACC	220		Non-Profit Accounting I	4
ACC	221		Non-Profit Accounting II	<u>4</u>
			_	19

#### Personnel Specialist I

Objective: To prepare the student for the position of Personnel Specialist Level I.

Special	ist Levei i	١.		
Course No.			Course Name	Credits
ACC	100	Ρ	Accounting I	3
ACC	120	Р	Payroll Accounting	3
BUS	102	P	Principles and Practices of	3
			Management I	
BUS	100	P	Small Business Management I	3
BUS	101	Р	Small Business Management II	3
BUS	210		Human Resources Management	<u>3</u>
				18

#### Personnel Specialist II

Objective: To prepare the student for the position of Personnel Specialist Level II. Prerequisite: Personnel Specialist Level I

Course N			Course Name	Credits
BUS	210		Human Resources Management	3
SOCI	169	Р	Human Relations in Organizations	3
SUPR	235		Supervision and Leadership	3
BUS	103		Principles and Practices of	3
			Management II	
			or	
BUS	230		Labor-Management Relations	<u>3</u>
				12

#### Real Estate

Objective: In response to the changing licensing requirements in the State of Ohio, Hocking College will be providing the courses necessary to become a salesperson. After successful completion of these courses, the candidate can take the licensing exam to become a Real Estate Salesperson.

Cours	e No.	Course Name	<u>Credits</u>
RE	101	Real Estate Principles	4
RE	102	Real Estate Law	4
RE	103	Real Estate Finance	2
RE	104	Real Estate Appraisal	2
			12

#### Receptionist/Clerk

Objective: To prepare students to perform receptionist duties in a business or professional office.

0 000111001	o o, p.o.	6001011	ar orrice.	
Course	No.		Course Name	Credits
OAT	100	Р	Information Processing	2
OAT	107		Telephone Skills	1
OAT	110		Office Procedures I	3
OAT	180	Р	Keyboarding	1
OAT	190		Business Communication Skills I	2
COMM	122	Р	Communications II	3
GS	104		Time Management	1
			-	13

#### Retail Management Specialist

Objective: To prepare the student for the position of Retail Management Specialist.

ment S	becialist.				
Course No.			Course Name	Credits	
BUS	100	Р	Small Business Management I	3	
BUS	110		Marketing	3	
BUS	130		Sales	3	
BUS	165		Advertising	3	
BUS	170		Fundamentals of Business I	3	
			or		
BUS	185		Retail Management	3	
BUS	171	Р	Fundamentals of Business II	<u>3</u>	
				18	

#### Small Business Accounting Technician

Objective: To prepare the student in all aspects of bookkeeping for a small business.

Course No.			Course Name	Credits
ACC	100	Ρ	Accounting I	3
ACC	120	Р	Payroll Accounting	3
ACC	150	Р	Business Taxation	4
ACC	101	Р	Accounting II	3
BUS	100	P	Small Business Management I	3
BUS	101	Р	Small Business Management II	3
ACC	162		Microcomputer Accounting	2
			,	21

#### Small Business Specialist

Objective: To prepare the student for the position of Small Business Specialist Level I.

Course	No.		Course Name	Credits		
BUS	102	Р	Principles and Practices of	3		
			Management I			
ACC	100	Ρ	Accounting I	3		
ACC	101	Ρ	Accounting II	3		
BUS	100	Ρ	Small Business Management I	3		
BUS	200		Business Law	3		

BUS	101	Р	Small Business Management II	3
ACC	162		Microcomputer Accounting	2
BUS	247		Excel for Windows	3
BUS	248		Advanced Excel	3
				26

#### Word Processing

Objective: To prepare the student for an entry-level position as a word processor specialist.

Course	No.	Course Name	Credits
OAT	200	Introduction to Transcription	3
OAT	211	Word Processing - WordPerfect	3
OAT	216	Word Processing - Microsoft Word	3
OAT	240	Integrated Office Software	3
OAT	350	Office Publications and Presentations	3
BUS	247	Excel for Windows	3
			18

#### **Technical Certificates**

#### Accounting

Objective: To prepare students for entry level banking tasks which require knowledge of all phases of accounting for manufacturing. This also prepares the student for employment as a junior accountant in small public accounting firms.

Course N	No.		Course Name	Credits
ACC	100	Р	Accounting I	3
ACC	120	Ρ	Payroll Accounting	3
ACC	130	Р	Business and Accounting Machines	2
BUS	170	Р	Fundamentals of Business I	3
COMM	122	р	Communications II	3
ACC	101	Ρ	Accounting II	3
ACC	140		Individual Taxation	3
COMM	123	Ρ	Communications III	3
MATH	108 B	Ρ	Introduction to Algebra for Business	3
ACC	102	Ρ	Accounting III	4
ACC	150	P	Business Taxation	4
ACC	162		Microcomputer Accounting	2
ACC	200	Ρ	Basic Cost Accounting	3
SOCI	169	Ρ	Human Relations in Organizations	3
ACC	201		Advanced Cost Accounting	4
ACC	210		Cost Accounting Simulation	1
			-	47

#### Office Management

Objective: To prepare the student for an entry level position in a business office.

Course N	Vo.		Course Name	<u>Credits</u>
OAT	100	P	Information Processing	2
OAT	107		Telephone Skills	1
OAT	110		Office Procedures I	3
OAT	111		Office Procedures II	3
OAT	121	Ρ	Speed Building I	1
OAT	180	Р	Keyboarding	1
OAT	190		Business Communication Skills I	2
OAT	211		Word Processing-Word Perfect	3
COMM	101		Spelling Skills	1
COMM	122	Ρ	Communications II	3
COMM	123	Ρ	Communications III	3
OAT	102		Office Simulation I	3
OAT	113		Office Administration Computer	1
			Systems	
OAT	296 A		Office Management Practicum	2
OAT	200		Introduction to Transcription	3
OAT	230		Administrative Transcription	3
OAT	216		Word Processing-Microsoft Word	3
ACC	100	Р	Accounting I	3
COMM	102		Vocabulary Skills	1
OAT	114		Electronic Communication	2
MATH	108	Р	Introduction to Algebra	3
COMM	104		Job Search Techniques	1
				48

#### Certificates of Concentration

Legal Office Management

Objective: To prepare the student for the legal office with courses that will make the transition easier from the classroom to the office. Prerequisite: This certificate is awarded only with an Associate Degree in Office Management.

Course	No.	Course Name	<u>Credits</u>		
BUS	200	Business Law	3		
OAT	220	Office Procedures III	3		
OAT	280	Legal Transcription	3		
			9		

#### Medical Office Management

Objective: To prepare the student for the medical office with courses that will make the transition easier from the classroom to the office.

ι	nat wi	ii make	the transition easier from the classroom t	o the office.
(	Course	No.	Course Name	Credit
Ν	MΑ	115	Medical Transcription	3
١	ΛA	112	Medical Law and Ethics	3
(	TAC	220	Office Procedures III	<u>3</u>

## School of Computer and Information Technology

#### Technical Programs

Programs leading to an Associate Degree, Diploma or Technologist Certification.

Computer Programming E-Commerce Interactive Multimedia Network Systems

#### Certificate Program

Programs providing specific technical skills.

#### Occupational Certificates

Awarded for successful completion of twelve or more credit hours in which the individual acquires knowledge and skills that are directly applicable to specific entry level employment.

Cisco Networking Academy Level I Internet Webmaster Micro Computer Software User Networking and Web Design

## **Computer Programming**

For students entering June, 2002 through May, 2003

First Qua	orter							
Course N			Course Name	Type	Class	Lab	Credit	Course Fee
CS	100		Program Analysis I	T	3.00	2.00	3.00	Course ree
CS	120		Introduction to Data Processing	Ť	3.00	2.00	3.00	\$35
MICS	115		PC Operating Systems	Ť	1.00	3.00	2.00	\$30
MICS	144		Introduction to Word	T	1.00	1.00	1.00	\$30
BUS	170	Р	Fundamentals of Business I	G	3.00	2.00	3.00	\$7
COMM	122	P	Communications II	G	3.00	0.00	3.00	\$20
MATH	108 B		Introduction to Algebra for Business	G	3.00	<u>1.00</u>	3.00	\$16
					17.00	11.00	18.00	
Second C			Course Nous	-	01			
Course N CS	101		Course Name	<u>Type</u> T	Class	<u>Lab</u>	Credit	Course Fee
CS	200		Program Analysis II Introduction to Networking	T T	3.00 3.00	2.00 2.00	3.00	cor
MICS	110		Introduction to Visual Basic	Ť	2.00	2.00	3.00 2.00	\$35 \$35
MICS	141		Introduction to Excel	Ť	1.00	1.00	1.00	\$30
ACC	100	Р	Accounting I	Ġ	2.00	3.00	3.00	\$5 \$5
COMM	123	P	Communications III	Ğ	3.00	0.00	3.00	\$20
CS	155		Applied Statistical Packages	G	3.00	2.00	3.00	\$35
			or					400
MATH	111	Р	Intermediate Algebra	G	3.00	1.00	3.00	\$16
					17.00	11.00-12.00	18.00	
Third Qu			0 N	-	01			
Course N CS	NAME OF TAXABLE PARTY O		Course Name	<u>Type</u>	Class	<u>Lab</u>	Credit	Course Fee
CS	110 140		Introduction to COBOL Job Controls and Utilities	T T	4.00	5.00	5.00	\$35
MICS	142		Introduction to Access	Ť	3.00 1.00	2.00 1.00	3.00	\$35
NET	100		Internet and Web Page Design	Ť	1.00	1.00	1.00 1.00	\$30 \$30
ACC	101	P	Accounting II	Ġ	2.00	3.00	3.00	\$5 \$5
COMM	130		Speech	Ğ	3.00	0.00	3.00	\$10
			or	Ü	0.00	0.00	5.00	ψ10
COMM	135		Verbal Career Skills	G	3.00	0.00	3.00	\$10
					14.00	12.00	16.00	
Summer	Ougston							
Course N			Course Name	Type	Class	Lab	Cradit	Course Fee
The company of the Party Compa	advisor regardi	ing cours	No. of the Control of	TYPE	Class	Lau	<u>Credit</u>	Course Fee
,		9	· · · · · · · · · · · · · · · · · ·					
Fourth Q	uarter							
Course N			Course Name	Type	Class	<u>Lab</u>	<u>Credit</u>	Course Fee
Course N CS	111		Advanced COBOL	T	4.00	<u>Lab</u> 5.00	<u>Credit</u> 5.00	Course Fee \$35
Course N CS CS	0. 111 201		Advanced COBOL Advanced Networking	T	4.00 3.00	5.00 3.00	5.00 4.00	\$35 \$35
Course N CS CS CS	0. 111 201 210		Advanced COBOL Advanced Networking Programming in C++	T T T	4.00 3.00 2.00	5.00 3.00 4.00	5.00 4.00 3.00	\$35 \$35 \$35
Course N CS CS	0. 111 201		Advanced COBOL Advanced Networking Programming in C++ Social and Cultural Awareness	T	4.00 3.00	5.00 3.00	5.00 4.00	\$35 \$35
Course N CS CS CS SOCI	0. 111 201 210 153		Advanced COBOL Advanced Networking Programming in C++ Social and Cultural Awareness or	T T T G	4.00 3.00 2.00 4.00	5.00 3.00 4.00 0.00	5.00 4.00 3.00 4.00	\$35 \$35 \$35 \$7
Course N CS CS CS	0. 111 201 210		Advanced COBOL Advanced Networking Programming in C++ Social and Cultural Awareness or Introduction to Sociology	T T T	4.00 3.00 2.00	5.00 3.00 4.00	5.00 4.00 3.00	\$35 \$35 \$35
Course N CS CS CS SOCI	111 201 210 153		Advanced COBOL Advanced Networking Programming in C++ Social and Cultural Awareness or Introduction to Sociology or	T T T G	4.00 3.00 2.00 4.00	5.00 3.00 4.00 0.00	5.00 4.00 3.00 4.00	\$35 \$35 \$35 \$37 \$7
Course N CS CS CS SOCI SOCI	111 201 210 153 160		Advanced COBOL Advanced Networking Programming in C++ Social and Cultural Awareness or Introduction to Sociology	T T T G G	4.00 3.00 2.00 4.00 3.00	5.00 3.00 4.00 0.00 0.00	5.00 4.00 3.00 4.00 3.00	\$35 \$35 \$35 \$7 \$7
Course N CS CS CS SOCI	111 201 210 153		Advanced COBOL Advanced Networking Programming in C++ Social and Cultural Awareness or Introduction to Sociology or Sociology of Family Living	T T T G	4.00 3.00 2.00 4.00 3.00 3.00 3.00	5.00 3.00 4.00 0.00 0.00	5.00 4.00 3.00 4.00 3.00 3.00 3.00	\$35 \$35 \$35 \$37 \$7
Course N CS CS CS SOCI SOCI	111 201 210 153 160 161 165		Advanced COBOL Advanced Networking Programming in C++ Social and Cultural Awareness or Introduction to Sociology or Sociology of Family Living Cross Cultural Studies	T T T G G G	4.00 3.00 2.00 4.00 3.00	5.00 3.00 4.00 0.00 0.00	5.00 4.00 3.00 4.00 3.00	\$35 \$35 \$35 \$7 \$7
Course N CS CS CS SOCI SOCI	111 201 210 153 160		Advanced COBOL Advanced Networking Programming in C++ Social and Cultural Awareness or Introduction to Sociology or Sociology of Family Living Cross Cultural Studies Natural Science Elective (Required)	T T G G G G	4.00 3.00 2.00 4.00 3.00 3.00 3.00 3.00 15.00-16.00	5.00 3.00 4.00 0.00 0.00 0.00 0.00 0.00 12.00	5.00 4.00 3.00 4.00 3.00 3.00 3.00 3.00 18.00-19.00	\$35 \$35 \$35 \$7 \$7 \$7
Course N CS CS CS SOCI SOCI SOCI SOCI NSC Fifth Qua Course N	111 201 210 153 160 161 165 ••••		Advanced COBOL Advanced Networking Programming in C++ Social and Cultural Awareness or Introduction to Sociology or Sociology of Family Living Cross Cultural Studies Natural Science Elective (Required)	T T G G G G	4.00 3.00 2.00 4.00 3.00 3.00 3.00 3.00 15.00-16.00	5.00 3.00 4.00 0.00 0.00 0.00 0.00 0.00 12.00	5.00 4.00 3.00 4.00 3.00 3.00 3.00 3.00 18.00-19.00	\$35 \$35 \$35 \$7 \$7
Course N CS CS CS SOCI SOCI SOCI NSC Fifth Qua Course N CS	111 201 210 153 160 161 165 •••		Advanced COBOL Advanced Networking Programming in C++ Social and Cultural Awareness or Introduction to Sociology or Sociology of Family Living Cross Cultural Studies Natural Science Elective (Required)  Course Name Computer Numbering Systems	T T T G G G G G G G Type T	4.00 3.00 2.00 4.00 3.00 3.00 3.00 3.00 15.00-16.00 Class 1.00	5.00 3.00 4.00 0.00 0.00 0.00 0.00 12.00 Lab 0.00	5.00 4.00 3.00 4.00 3.00 3.00 3.00 3.00 18.00-19.00 Credit 1.00	\$35 \$35 \$35 \$7 \$7 \$7 \$7 \$Course Fee
Course N CS CS CS SOCI SOCI SOCI SOCI NSC Fifth Qua Course N CS	111 201 210 153 160 161 165 ••• arter 0. 125 220		Advanced COBOL Advanced Networking Programming in C++ Social and Cultural Awareness or Introduction to Sociology or Sociology of Family Living Cross Cultural Studies Natural Science Elective (Required)  Course Name Computer Numbering Systems Programming in RPG	T T T G G G G G G T	4.00 3.00 2.00 4.00 3.00 3.00 3.00 3.00 15.00-16.00 Class 1.00 3.00	5.00 3.00 4.00 0.00 0.00 0.00 0.00 0.00 12.00 Lab 0.00 3.00	5.00 4.00 3.00 4.00 3.00 3.00 3.00 3.00 18.00-19.00 Credit 1.00 4.00	\$35 \$35 \$35 \$7 \$7 \$7 \$7 <b>Course Fee</b>
Course N CS CS CS SOCI SOCI SOCI NSC Fifth Qua Course N CS CS CS	111 201 210 153 160 161 165 ••• arter 0. 125 220 240		Advanced COBOL Advanced Networking Programming in C++ Social and Cultural Awareness or Introduction to Sociology or Sociology of Family Living Cross Cultural Studies Natural Science Elective (Required)  Course Name Computer Numbering Systems Programming in RPG Database Management	T T T G G G G G G T T T	4.00 3.00 2.00 4.00 3.00 3.00 3.00 3.00 15.00-16.00 Class 1.00 3.00 2.00	5.00 3.00 4.00 0.00 0.00 0.00 0.00 0.00 12.00 Lab 0.00 3.00 2.00	5.00 4.00 3.00 4.00 3.00 3.00 3.00 3.00 18.00-19.00 Credit 1.00 4.00 2.00	\$35 \$35 \$35 \$7 \$7 \$7 \$7 \$7 \$2 Course Fee \$35 \$35
Course N CS CS CS SOCI SOCI SOCI NSC Fifth Qua Course N CS CS CS	111 201 210 153 160 161 165 ••• arter 0. 125 220 240 280		Advanced COBOL Advanced Networking Programming in C++ Social and Cultural Awareness or Introduction to Sociology or Sociology of Family Living Cross Cultural Studies Natural Science Elective (Required)  Course Name Computer Numbering Systems Programming in RPG Database Management Mainframe Applications	T T T G G G G G T T T T	4.00 3.00 2.00 4.00 3.00 3.00 3.00 3.00 15.00-16.00 Class 1.00 3.00 2.00 3.00	5.00 3.00 4.00 0.00 0.00 0.00 0.00 0.00 12.00 Lab 0.00 3.00 2.00 5.00	5.00 4.00 3.00 4.00 3.00 3.00 3.00 3.00 18.00-19.00 Credit 1.00 4.00 2.00 4.00	\$35 \$35 \$35 \$7 \$7 \$7 \$7 \$7 \$2 <b>Course Fee</b> \$35 \$35 \$35
Course N CS CS CS SOCI SOCI SOCI NSC Fifth Qua Course N CS CS CS CS	111 201 210 153 160 161 165 ••• arter 6. 125 220 240 280 104		Advanced COBOL Advanced Networking Programming in C++ Social and Cultural Awareness or Introduction to Sociology or Sociology of Family Living Cross Cultural Studies Natural Science Elective (Required)  Course Name Computer Numbering Systems Programming in RPG Database Management Mainframe Applications Job Search Techniques	T T T G G G G G T T T T T T	4.00 3.00 2.00 4.00 3.00 3.00 3.00 15.00-16.00 Class 1.00 3.00 2.00 3.00 1.00	5.00 3.00 4.00 0.00 0.00 0.00 0.00 0.00 12.00 Lab 0.00 3.00 2.00 5.00 0.00	5.00 4.00 3.00 4.00 3.00 3.00 3.00 3.00 18.00-19.00 Credit 1.00 4.00 2.00 4.00 1.00	\$35 \$35 \$35 \$7 \$7 \$7 \$7 \$7 \$2 Course Fee \$35 \$35
Course N CS CS CS SOCI SOCI SOCI NSC Fifth Qua Course N CS CS CS	111 201 210 153 160 161 165 ••• arter 0. 125 220 240 280		Advanced COBOL Advanced Networking Programming in C++ Social and Cultural Awareness or Introduction to Sociology or Sociology of Family Living Cross Cultural Studies Natural Science Elective (Required)  Course Name Computer Numbering Systems Programming in RPG Database Management Mainframe Applications	T T T G G G G G T T T T	4.00 3.00 2.00 4.00 3.00 3.00 3.00 15.00-16.00 Class 1.00 3.00 2.00 3.00 1.00 0.00	5.00 3.00 4.00 0.00 0.00 0.00 0.00 12.00 12.00 12.00 5.00 5.00 0.00 0.00	5.00 4.00 3.00 4.00 3.00 3.00 3.00 18.00-19.00 Credit 1.00 4.00 2.00 4.00 1.00 6.00	\$35 \$35 \$35 \$7 \$7 \$7 \$7 \$7 \$2 <b>Course Fee</b> \$35 \$35 \$35
Course N CS CS CS SOCI SOCI SOCI NSC Fifth Qua Course N CS CS CS CS	111 201 210 153 160 161 165  125 220 240 280 104		Advanced COBOL Advanced Networking Programming in C++ Social and Cultural Awareness or Introduction to Sociology or Sociology of Family Living Cross Cultural Studies Natural Science Elective (Required)  Course Name Computer Numbering Systems Programming in RPG Database Management Mainframe Applications Job Search Techniques	T T T G G G G G T T T T T T	4.00 3.00 2.00 4.00 3.00 3.00 3.00 15.00-16.00 Class 1.00 3.00 2.00 3.00 1.00	5.00 3.00 4.00 0.00 0.00 0.00 0.00 0.00 12.00 Lab 0.00 3.00 2.00 5.00 0.00	5.00 4.00 3.00 4.00 3.00 3.00 3.00 3.00 18.00-19.00 Credit 1.00 4.00 2.00 4.00 1.00	\$35 \$35 \$35 \$7 \$7 \$7 \$7 \$7 \$2 <b>Course Fee</b> \$35 \$35 \$35
Course N CS CS CS SOCI SOCI SOCI SOCI SOCI SOCI	111 201 210 153 160 161 165  125 220 240 280 104		Advanced COBOL Advanced Networking Programming in C++ Social and Cultural Awareness or Introduction to Sociology or Sociology of Family Living Cross Cultural Studies Natural Science Elective (Required)  Course Name Computer Numbering Systems Programming in RPG Database Management Mainframe Applications Job Search Techniques Comm/Soci/Hum/Acc/Bus/Elective (Required)	T T T G G G G G T T T T T T	4.00 3.00 2.00 4.00 3.00 3.00 3.00 15.00-16.00 Class 1.00 3.00 2.00 3.00 1.00 0.00	5.00 3.00 4.00 0.00 0.00 0.00 0.00 12.00 12.00 12.00 5.00 5.00 0.00 0.00	5.00 4.00 3.00 4.00 3.00 3.00 3.00 18.00-19.00 Credit 1.00 4.00 2.00 4.00 1.00 6.00	\$35 \$35 \$35 \$7 \$7 \$7 \$7 \$7 \$2 <b>Course Fee</b> \$35 \$35 \$35
Course N CS CS CS SOCI SOCI SOCI NSC Fifth Qua Course N CS CS CS CS CS CS CS CS CS COMM A/B Sixth Qu Course N CS	111 201 210 153 160 161 165  125 220 240 280 104  arter 0. 211		Advanced COBOL Advanced Networking Programming in C++ Social and Cultural Awareness or Introduction to Sociology or Sociology of Family Living Cross Cultural Studies Natural Science Elective (Required)  Course Name Computer Numbering Systems Programming in RPG Database Management Mainframe Applications Job Search Techniques Comm/Soci/Hum/Acc/Bus/Elective (Required)  Course Name Advanced Programming in C++	T T T G G G G G G G G G G G G G G G G G	4.00 3.00 2.00 4.00 3.00 3.00 3.00 3.00 15.00-16.00  Class 1.00 3.00 2.00 3.00 1.00 0.00 10.00  Class 2.00	5.00 3.00 4.00 0.00 0.00 0.00 0.00 0.00 12.00 Lab 0.00 0.00 0.00 10.00 0.00 0.00 0.00 10.00 0.00	5.00 4.00 3.00 4.00 3.00 3.00 3.00 18.00-19.00 Credit 1.00 4.00 2.00 4.00 1.00 6.00 18.00	\$35 \$35 \$35 \$7 \$7 \$7 \$7 <b>Course Fee</b> \$35 \$35 \$35 \$310
Course N CS CS CS CS SOCI SOCI SOCI SOCI NSC Fifth Qua Course N CS CS CS CS COMM A/B Sixth Qua Course N CS CS	111 201 210 153 160 161 165  125 220 240 280 104  arter 60. 211 214		Advanced COBOL Advanced Networking Programming in C++ Social and Cultural Awareness or Introduction to Sociology or Sociology of Family Living Cross Cultural Studies Natural Science Elective (Required)  Course Name Computer Numbering Systems Programming in RPG Database Management Mainframe Applications Job Search Techniques Comm/Soci/Hum/Acc/Bus/Elective (Required)  Course Name Advanced Programming in C++ Applications in Information Technology	T T T G G G G G G G G G G G G G G G G G	4.00 3.00 2.00 4.00 3.00 3.00 3.00 3.00 15.00-16.00  Class 1.00 3.00 2.00 3.00 1.00 0.00 10.00  Class 2.00 2.00 2.00	5.00 3.00 4.00 0.00 0.00 0.00 0.00 12.00 Lab 0.00 3.00 2.00 5.00 0.00 0.00 10.00	5.00 4.00 3.00 4.00 3.00 3.00 3.00 3.00 18.00-19.00  Credit 1.00 4.00 2.00 4.00 1.00 6.00 18.00  Credit 3.00 3.00	\$35 \$35 \$35 \$7 \$7 \$7 \$7 \$7 \$2 Course Fee \$35 \$35 \$35 \$35 \$35 \$35 \$35 \$35 \$35 \$35
Course N CS CS CS SOCI SOCI SOCI SOCI NSC Fifth Qua Course N CS CS CS CS CS COMM A/B Sixth Qu Course N CS	111 201 210 153 160 161 165  125 220 240 280 104  211 214 250		Advanced COBOL Advanced Networking Programming in C++ Social and Cultural Awareness or Introduction to Sociology or Sociology of Family Living Cross Cultural Studies Natural Science Elective (Required)  Course Name Computer Numbering Systems Programming in RPG Database Management Mainframe Applications Job Search Techniques Comm/Soci/Hum/Acc/Bus/Elective (Required)  Course Name Advanced Programming in C++ Applications in Information Technology Basic Assembler Language	T T T G G G G G G G T T T T T T T T T T	4.00 3.00 2.00 4.00 3.00 3.00 3.00 3.00 15.00-16.00  Class 1.00 3.00 2.00 3.00 1.00 0.00 10.00  Class 2.00 3.00 3.00	5.00 3.00 4.00 0.00 0.00 0.00 0.00 12.00 12.00 12.00 5.00 5.00 0.00 10.00 10.00	5.00 4.00 3.00 4.00 3.00 3.00 3.00 3.00 18.00-19.00  Credit 1.00 4.00 1.00 6.00 18.00  Credit 3.00 3.00 3.00 3.00	\$35 \$35 \$35 \$7 \$7 \$7 \$7 \$7 \$2 \$2 \$35 \$35 \$35 \$35 \$35 \$35 \$35 \$35 \$35 \$35
Course N CS CS CS SOCI SOCI SOCI SOCI NSC Fifth Qua Course N CS CS CS CS CS CS CS CS CS CS CS CS CS	111 201 210 153 160 161 165 ••• arter 10. 125 220 240 280 104 ••• arter 10. 211 214 250 169	P	Advanced COBOL Advanced Networking Programming in C++ Social and Cultural Awareness or Introduction to Sociology or Sociology of Family Living Cross Cultural Studies Natural Science Elective (Required)  Course Name Computer Numbering Systems Programming in RPG Database Management Mainframe Applications Job Search Techniques Comm/Soci/Hum/Acc/Bus/Elective (Required)  Course Name Advanced Programming in C++ Applications in Information Technology Basic Assembler Language Human Relations in Organizations	T T T G G G G G T T T T T T T T T T T T	4.00 3.00 2.00 4.00 3.00 3.00 3.00 3.00 15.00-16.00  Class 1.00 3.00 1.00 0.00 10.00  Class 2.00 2.00 3.00 3.00 3.00	5.00 3.00 4.00 0.00 0.00 0.00 0.00 12.00 12.00 12.00 5.00 0.00 10.00 10.00 10.00 10.00	5.00 4.00 3.00 4.00 3.00 3.00 3.00 3.00 18.00-19.00  Credit 1.00 4.00 2.00 4.00 1.00 6.00 18.00  Credit 3.00 3.00 3.00 3.00 3.00 3.00	\$35 \$35 \$35 \$7 \$7 \$7 \$7 \$7 \$2 \$2 \$35 \$35 \$35 \$35 \$35 \$35 \$35 \$35 \$35 \$35
Course N CS CS CS SOCI SOCI SOCI SOCI NSC Fifth Qua Course N CS CS CS CS CS COMM A/B Sixth Qu Course N CS	111 201 210 153 160 161 165  125 220 240 280 104  211 214 250	PP	Advanced COBOL Advanced Networking Programming in C++ Social and Cultural Awareness or Introduction to Sociology or Sociology of Family Living Cross Cultural Studies Natural Science Elective (Required)  Course Name Computer Numbering Systems Programming in RPG Database Management Mainframe Applications Job Search Techniques Comm/Soci/Hum/Acc/Bus/Elective (Required)  Course Name Advanced Programming in C++ Applications in Information Technology Basic Assembler Language Human Relations in Organizations Introduction to Psychology	T T T G G G G G G G T T T T T T T T T T	4.00 3.00 2.00 4.00 3.00 3.00 3.00 3.00 15.00-16.00  Class 1.00 3.00 2.00 3.00 1.00 0.00 10.00  Class 2.00 3.00 3.00	5.00 3.00 4.00 0.00 0.00 0.00 0.00 12.00 12.00 12.00 5.00 5.00 0.00 10.00 10.00	5.00 4.00 3.00 4.00 3.00 3.00 3.00 3.00 18.00-19.00  Credit 1.00 4.00 1.00 6.00 18.00  Credit 3.00 3.00 3.00 3.00	\$35 \$35 \$35 \$7 \$7 \$7 \$7 \$7 \$2 \$2 \$35 \$35 \$35 \$35 \$35 \$35 \$35 \$35 \$35 \$35
Course N CS CS CS SOCI SOCI SOCI SOCI SOCI SOCI	111 201 210 153 160 161 165  125 220 240 280 104  211 214 250 169 150		Advanced COBOL Advanced Networking Programming in C++ Social and Cultural Awareness or Introduction to Sociology or Sociology of Family Living Cross Cultural Studies Natural Science Elective (Required)  Course Name Computer Numbering Systems Programming in RPG Database Management Mainframe Applications Job Search Techniques Comm/Soci/Hum/Acc/Bus/Elective (Required)  Course Name Advanced Programming in C++ Applications in Information Technology Basic Assembler Language Human Relations in Organizations Introduction to Psychology or	T T T G G G G G Type T T G G G G G G G G G G G G G G G G G	4.00 3.00 2.00 4.00 3.00 3.00 3.00 3.00 15.00-16.00  Class 1.00 3.00 1.00 0.00 10.00  Class 2.00 3.00 3.00 3.00 3.00 3.00 3.00 3.00	5.00 3.00 4.00 0.00 0.00 0.00 0.00 0.00 12.00 Lab 0.00 3.00 2.00 5.00 0.00 0.00 10.00 Lab 4.00 4.00 2.00 0.00	5.00 4.00 3.00 4.00 3.00 3.00 3.00 3.00 18.00-19.00  Credit 1.00 4.00 1.00 6.00 18.00  Credit 3.00 3.00 3.00 3.00 3.00 3.00 3.00 3.0	\$35 \$35 \$35 \$7 \$7 \$7 \$7 \$7 \$2 \$35 \$35 \$35 \$35 \$35 \$35 \$35 \$35 \$35 \$35
Course N CS CS CS SOCI SOCI SOCI SOCI SOCI SOCI	111 201 210 153 160 161 165  125 220 240 280 104  arter 0. 211 214 250 169 150 154		Advanced COBOL Advanced Networking Programming in C++ Social and Cultural Awareness or Introduction to Sociology or Sociology of Family Living Cross Cultural Studies Natural Science Elective (Required)  Course Name Computer Numbering Systems Programming in RPG Database Management Mainframe Applications Job Search Techniques Comm/Soci/Hum/Acc/Bus/Elective (Required)  Course Name Advanced Programming in C++ Applications in Information Technology Basic Assembler Language Human Relations in Organizations Introduction to Psychology or Interpersonal Relationships	T T T G G G G Type T T G G G G G G G G G G G G G G G G G	4.00 3.00 2.00 4.00 3.00 3.00 3.00 3.00 15.00-16.00  Class 1.00 3.00 2.00 3.00 1.00 0.00 10.00  Class 2.00 3.00 3.00 3.00 3.00 3.00 3.00 3.00	5.00 3.00 4.00 0.00 0.00 0.00 0.00 0.00 12.00  Lab 0.00 0.00 10.00  Lab 4.00 4.00 2.00 0.00 0.00 0.00 0.00 0.00	5.00 4.00 3.00 4.00 3.00 3.00 3.00 3.00 18.00-19.00  Credit 1.00 4.00 2.00 4.00 1.00 6.00 18.00  Credit 3.00 3.00 3.00 3.00 3.00 3.00 3.00 3.0	\$35 \$35 \$35 \$7 \$7 \$7 \$7 \$7 \$2 \$2 \$35 \$35 \$35 \$35 \$35 \$35 \$35 \$35 \$35 \$35
Course N CS CS CS SOCI SOCI SOCI SOCI SOCI SOCI	111 201 210 153 160 161 165  125 220 240 280 104  211 214 250 169 150		Advanced COBOL Advanced Networking Programming in C++ Social and Cultural Awareness or Introduction to Sociology or Sociology of Family Living Cross Cultural Studies Natural Science Elective (Required)  Course Name Computer Numbering Systems Programming in RPG Database Management Mainframe Applications Job Search Techniques Comm/Soci/Hum/Acc/Bus/Elective (Required)  Course Name Advanced Programming in C++ Applications in Information Technology Basic Assembler Language Human Relations in Organizations Introduction to Psychology or	T T T G G G G G Type T T G G G G G G G G G G G G G G G G G	4.00 3.00 2.00 4.00 3.00 3.00 3.00 3.00 15.00-16.00  Class 1.00 3.00 2.00 3.00 1.00 0.00 10.00  Class 2.00 2.00 3.00 3.00 3.00 3.00 3.00 3.00	5.00 3.00 4.00 0.00 0.00 0.00 0.00 0.00 12.00  Lab 0.00 2.00 5.00 0.00 0.00 10.00  Lab 4.00 2.00 0.00 0.00 0.00 0.00 0.00 0.00	5.00 4.00 3.00 4.00 3.00 3.00 3.00 3.00 18.00-19.00  Credit 1.00 4.00 1.00 6.00 18.00 18.00 3.00 3.00 3.00 3.00 3.00 3.00 3.00	\$35 \$35 \$35 \$7 \$7 \$7 \$7 \$7 \$2 \$35 \$35 \$35 \$35 \$35 \$35 \$35 \$35 \$35 \$35
Course N CS CS CS SOCI SOCI SOCI SOCI SOCI SOCI	111 201 210 153 160 161 165  125 220 240 280 104  arter 0. 211 214 250 169 150 154		Advanced COBOL Advanced Networking Programming in C++ Social and Cultural Awareness or Introduction to Sociology or Sociology of Family Living Cross Cultural Studies Natural Science Elective (Required)  Course Name Computer Numbering Systems Programming in RPG Database Management Mainframe Applications Job Search Techniques Comm/Soci/Hum/Acc/Bus/Elective (Required)  Course Name Advanced Programming in C++ Applications in Information Technology Basic Assembler Language Human Relations in Organizations Introduction to Psychology or Interpersonal Relationships	T T T G G G G Type T T G G G G G G G G G G G G G G G G G	4.00 3.00 2.00 4.00 3.00 3.00 3.00 3.00 15.00-16.00  Class 1.00 3.00 2.00 3.00 1.00 0.00 10.00  Class 2.00 3.00 3.00 3.00 3.00 3.00 3.00 3.00	5.00 3.00 4.00 0.00 0.00 0.00 0.00 0.00 12.00  Lab 0.00 0.00 10.00  Lab 4.00 4.00 2.00 0.00 0.00 0.00 0.00 0.00	5.00 4.00 3.00 4.00 3.00 3.00 3.00 3.00 18.00-19.00  Credit 1.00 4.00 2.00 4.00 1.00 6.00 18.00  Credit 3.00 3.00 3.00 3.00 3.00 3.00 3.00 3.0	\$35 \$35 \$35 \$7 \$7 \$7 \$7 \$7 \$2 \$35 \$35 \$35 \$35 \$35 \$35 \$35 \$35 \$35 \$35
Course N CS CS CS SOCI SOCI SOCI SOCI SOCI SOCI	111 201 210 153 160 161 165  125 220 240 280 104  211 214 250 169 150 169 150 154  Credit Hours		Advanced COBOL Advanced Networking Programming in C++ Social and Cultural Awareness or Introduction to Sociology or Sociology of Family Living Cross Cultural Studies Natural Science Elective (Required)  Course Name Computer Numbering Systems Programming in RPG Database Management Mainframe Applications Job Search Techniques Comm/Soci/Hum/Acc/Bus/Elective (Required)  Course Name Advanced Programming in C++ Applications in Information Technology Basic Assembler Language Human Relations in Organizations Introduction to Psychology or Interpersonal Relationships Computer Science Elective (Optional) 60.00-63.00 43.00-44.00	T T T G G G G Type T T G G G G G G G G G G G G G G G G G	4.00 3.00 2.00 4.00 3.00 3.00 3.00 3.00 15.00-16.00  Class 1.00 3.00 2.00 3.00 1.00 0.00 10.00  Class 2.00 2.00 3.00 3.00 3.00 3.00 3.00 3.00	5.00 3.00 4.00 0.00 0.00 0.00 0.00 12.00  Lab 0.00 2.00 5.00 0.00 10.00  Lab 4.00 2.00 0.00 0.00 0.00 0.00 0.00 0.00	5.00 4.00 3.00 4.00 3.00 3.00 3.00 3.00 18.00-19.00  Credit 1.00 4.00 1.00 6.00 18.00 18.00 3.00 3.00 3.00 3.00 3.00 3.00 3.00	\$35 \$35 \$35 \$7 \$7 \$7 \$7 \$7 \$2 \$35 \$35 \$35 \$35 \$35 \$35 \$35 \$35 \$35 \$35
Course N CS CS CS SOCI SOCI SOCI SOCI SOCI SOCI	111 201 210 153 160 161 165  125 220 240 280 104  211 214 250 169 150 169 150 154  Credit Hours		Advanced COBOL Advanced Networking Programming in C++ Social and Cultural Awareness or Introduction to Sociology or Sociology of Family Living Cross Cultural Studies Natural Science Elective (Required)  Course Name Computer Numbering Systems Programming in RPG Database Management Mainframe Applications Job Search Techniques Comm/Soci/Hum/Acc/Bus/Elective (Required)  Course Name Advanced Programming in C++ Applications in Information Technology Basic Assembler Language Human Relations in Organizations Introduction to Psychology or Interpersonal Relationships Computer Science Elective (Optional) 60.00-63.00	T T T G G G G Type T T G G G G G G G G G G G G G G G G G	4.00 3.00 2.00 4.00 3.00 3.00 3.00 3.00 15.00-16.00  Class 1.00 3.00 2.00 3.00 1.00 0.00 10.00  Class 2.00 2.00 3.00 3.00 3.00 3.00 3.00 3.00	5.00 3.00 4.00 0.00 0.00 0.00 0.00 12.00  Lab 0.00 2.00 5.00 0.00 10.00  Lab 4.00 2.00 0.00 0.00 0.00 0.00 0.00 0.00	5.00 4.00 3.00 4.00 3.00 3.00 3.00 3.00 18.00-19.00  Credit 1.00 4.00 1.00 6.00 18.00 18.00 3.00 3.00 3.00 3.00 3.00 3.00 3.00	\$35 \$35 \$35 \$7 \$7 \$7 \$7 \$7 \$2 \$35 \$35 \$35 \$35 \$35 \$35 \$35 \$35 \$35 \$35

Computer Programming Notes: Business/Accounting elective may be any 3-credit Business or Accounting course not already on your curriculum.

Students must choose from the following Social Science electives: A: PSYC 150 (Introduction To Psychology) or PSYC 154 (Interpersonal Relationships); B: SOCI 160 (Introduction To Sociology) or SOCI 165 (Cross Cultural Studies) or SOCI 161 (Sociology of Family Living).

One occupational certificate, Microcomputer Software User, is available. Please see a Computer Science instructor for more information.

## E-Commerce

For students entering June, 2002 through May, 2003

First Quarter Course No. EC 100 EC 102 ACC 100 COMM 122 MATH 108 B OAT 180	P P	Course Name Internet Webmaster I The Internet as a Business Platform Accounting I Communications II Introduction to Algebra for Business Keyboarding (Optional)	Type T T G G G G	Class 4.00 3.00 2.00 3.00 3.00 1.00 15.00-16.00	Lab 0.00 0.00 3.00 0.00 1.00 1.00 4.00-5.00	Credit 4.00 3.00 3.00 3.00 3.00 1.00 16.00-17.00	Course Fee \$200 \$25 \$5 \$20 \$16 \$25
Second Quarter           Course No.           EC         101           EC         110           EC         115           EC         200           COMM         123A	Р	Course Name Business Needs Analysis Marketing on the Internet E-Commerce Law, Legal Issues, and Ethics Internet Webmaster II Communications III - Job Communications	Type T T T T G	Class 3.00 4.00 3.00 3.00 3.00 16.00	Lab 0.00 0.00 0.00 2.00 0.00 2.00	Credit 3.00 4.00 3.00 4.00 3.00 17.00	Course Fee \$35 \$35 \$200 \$20
Third Quarter Course No. EC 130 EC 150 EC 201 ACC 101 MATH 109	Р	Course Name Web Marketing Research Advanced Internet Networking and Security Internet Webmaster III Accounting II Business Math	Type T T T G G	<u>Class</u> 2.00 3.00 3.00 2.00 4.00 14.00	<u>Lab</u> 3.00 0.00 2.00 3.00 0.00 8.00	Credit 3.00 3.00 4.00 3.00 4.00 17.00	Course Fee \$35 \$35 \$200 \$5 \$16
Summer Quarter <u>Course No.</u> See your advisor regardi	ing cours	Course Name se offerings.	<u>Type</u>	Class	<u>Lab</u>	<u>Credit</u>	Course Fee
Fourth Quarter Course No. BUS 266 EC 205 MISC 142 SOCI 169 COMM 130  COMM 135 PSYC •••	Р	Course Name Entrepreneurship E- Commerce Banking and Finance Introduction to Access Human Relations in Organizations Speech or Verbal Career Skills Psychology Elective (Required)	Type T T G G G G	Class 3.00 2.00 1.00 3.00 3.00 3.00 3.00 15.00	Lab 0.00 3.00 1.00 0.00 0.00 0.00 4.00	Credit 3.00 3.00 1.00 3.00 3.00 3.00 3.00 16.00	Course Fee \$36 \$30 \$7 \$10
Fifth Quarter Course No. EC 210 EC 212 IM 120 COMM 104 HUM 203 BIOS 100 BIOS 101	Ρ	Course Name Supply Chain Management E-Commerce Brand Management Interactive Media I Job Search Techniques Ethics, Values, and Morality Health Science: The Human Machine or Environmental Science	Type T T T G G G	Class 3.00 3.00 2.00 1.00 3.00 3.00 3.00	Lab 0.00 0.00 3.00 0.00 0.00 0.00 0.00	Credit 3.00 3.00 3.00 1.00 3.00 3.00 3.00 3.00	Course Fee \$35 \$35 \$100 \$10 \$5
Sixth Quarter Course No. EC 250 EC 280 EC 296 BUS 267 MICS 152 SUPR 235  Technical Credit Hours General Credit Hours Total Credit Hours		Course Name E-Commerce Regulation E-Commerce Current Topics E-Commerce Practicum Project Management Advanced Access Supervision and Leadership 51.25-55.00 44.00-45.00 95.25-100.00	Type T T T G G G	Class 3.00 0.25 1.00 3.00 2.00 3.00 12.25-15.00	Lab 0.00 0.00 8.00 0.00 2.00 0.00 10.00-18.00	Credit 3.00 0.25-3.00 2.00-3.00 3.00 2.00 3.00 13.25-17.00	Course Fee \$35 \$35 \$35 \$25 \$30

### Interactive Multimedia

For students entering June, 2002 through May, 2003

First Qua	arter							
Course N	lo.		Course Name	Type	Class	Lab	Credit	Course Fee
EC	100		Internet Webmaster I	T	4.00	0.00	4.00	\$200
IM	110		Graphic Design	Ť	2.00	3.00	3.00	\$100
IM	112		Illustration	Ť	1.00	3.00	2.00	\$100
BUS	100	Р	Small Business Management I	Ġ	3.00	2.00	3.00	\$5
COMM	122	P	Communications II	G	3.00	0.00	3.00	\$20
PSYC	150	P	Introduction to Psychology	G	3.00	0.00		
1310	130	'	or	U	3.00	0.00	3.00	\$7
PSYC	154		Interpersonal Relationships	G	2.00	0.00	2.00	φ=
1310	134		interpersonal netationships	U	3.00	0.00	3.00	\$7
					16.00	8.00	18.00	
Second C				_				
Course N			Course Name	<u>Type</u>	Class	<u>Lab</u>	<u>Credit</u>	Course Fee
BC	210		Audio/Video Production I	T	2.00	3.00	3.00	\$60
EC	200		Internet Webmaster II	T	3.00	2.00	4.00	\$200
IM	120		Interactive Media I	T	2.00	3.00	3.00	\$100
BUS	101	Р	Small Business Management II	G	3.00	2.00	3.00	\$5
MATH	108	P	Introduction to Algebra	G	3.00	1.00	3.00	\$16
			-		13.00	11.00	16.00	*
Third Qua	arter							
Course N	o.		Course Name	Type	Class	<u>Lab</u>	Credit	Course Fee
EC	201		Internet Webmaster III	T	3.00	2.00	4.00	\$200
ĒĒ	240		Computers for Electronic Technicians I	Ť	3.00	3.00	4.00	\$60
IM	130		Interactive Media II	Ť	2.00	3.00	3.00	\$100
COMM	130		Speech	Ġ	3.00	0.00		
COMIN	130		or	U	3.00	0.00	3.00	\$10
COMM	105			0	2.00	0.00		***
COMM	135		Verbal Career Skills	G	3.00	0.00	3.00	\$10
					11.00	8.00	14.00	
_								
Summer				_				
Course N			Course Name	Type	Class	<u>Lab</u>	Credit	Course Fee
See your	advisor reg	arding co	ourse offerings.					
Fourth Q	uarter							
Course N	0.		Course Name	Type	Class	Lab	Credit	Course Fee
BC	215		Audio/Video Production II	T	2.00	3.00	3.00	\$60
EE	241		Computer for Electronic Technicians II	T	3.00	3.00	4.00	\$60
BUS	106		International Business	G	3.00	0.00	3.00	\$60
COMM	123	Р	Communications III	Ğ	3.00	0.00	3.00	\$20
NSC	•••	•	Natural Science Elective (Required)	Ğ	0.00	0.00	3.00	φ20
1450			reactive (negative)	O .	11.00	6.00	16.00	
					11.00	0.00	10.00	
Fifth Qua	orter							
Course N			Course Name	Tuno	Class	Lab	Cundit	C
IM			Video Composting	<u>Type</u>	Class	Lab	Credit	Course Fee
	220			Ţ	1.00	3.00	2.00	\$100
IM	222		Dynamic Web Media	Ţ	1.00	3.00	2.00	\$100
IM	224		Interactive Media Distribution	T	1.00	3.00	2.00	\$100
ACC	100	Р	Accounting I	G	2.00	3.00	3.00	\$5
EC	110		Marketing on the Internet	G	4.00	0.00	4.00	\$35
			or					
BUS	200		Business Law	G	3.00	0.00	3.00	
EC	115		E-Commerce Law, Legal Issues, and Ethics	G	3.00	0.00	3.00	\$35
					12.00	12.00	16.00	
Sixth Qua								
Course N	0.		Course Name	Type	Class	Lab	Credit	Course Fee
BC	200		Media Portfolio Development	T	2.00	3.00	3.00	\$60
BC	207		Multitrack Audio Recording	T	2.00	3.00	3.00	\$60
COMM	104		Job Search Techniques	G	1.00	0.00	1.00	\$10
COMM	225	Р	Technical Writing	Ğ	3.00	0.00	3.00	\$20
SOCI	153	-	Social and Cultural Awareness	Ğ	4.00	0.00	4.00	\$7
5001	, 00		or	3	1.00	0.00	7,00	Ψ/
SOCI	160		Introduction to Sociology	G	3.00	0.00	3.00	\$7
3001	100		or	J	3.00	0.00	3.00	Φ/
SOCI	161		Sociology of Family Living	G	3.00	0.00	3.00	¢7
300	101			G	3.00	0.00	3.00	\$7
SOCI	165		Or Cross Cultural Studios	0	2.00	0.00	2.00	<b>67</b>
SOCI	165		Cross Cultural Studies	G	3.00	0.00	3.00	\$7
					11.00-12.00	6.00	13.00-14.00	
T ,	Credit Hou		49.00					

Technical Credit Hours 49.00 General Credit Hours 44.00-45.00 Total Credit Hours 93.00-94.00

Interactive Multimedia Notes: Students must choose from the following Social Science electives: A: PSYC 150 Introduction to Psychology or PSYC 154 Interpersonal Relationships; B: SOCI 160 Introduction to Sociology or SOCI 165 Cross Cultural Studies, or SOCI 161 Sociology of Family Living, or SOCI 153 Social and Cultural Awareness.

## **Network Systems**

For students entering June, 2002 through May, 2003

Cinch Occur								
First Qua			Carrier Name	~	01			_
Course N			Course Name	<u>Type</u>	Class	<u>Lab</u>	<u>Credit</u>	Course Fee
CS	100		Program Analysis I	1	3.00	2.00	3.00	
CS	120		Introduction to Data Processing	T	3.00	2.00	3.00	\$35
MICS	115		PC Operationing Systems	T	1.00	3.00	2.00	\$30
MICS	144		Introduction to Word	T	1.00	1.00	1.00	\$30
BUS	170	Р	Fundamentals of Business I	G	3.00	2.00	3.00	\$7
COMM	122	Р	Communications II	G	3.00	0.00	3.00	\$20
MATH	108 B		Introduction to Algebra for Business	G	3.00	1.00	3.00	\$16
					17.00	11.00	18.00	*
Second O	luarter							
Course N	lo.		Course Name	Type	Class	Lab	Credit	Course Fee
CS	200		Introduction to Networking	T	3.00	2.00	3.00	\$35
MICS	110		Introduction to Visual Basic	Ť	2.00	2.00	2.00	\$35
MICS	141		Introduction to Excel	Ť	1.00	1.00	1.00	\$30
NET	100		Internet and Web Page Design	Ť	1.00	1.00		
ACC	100	Р	Accounting I	Ġ			1.00	\$30
COMM	123	P	Communications III		2.00	3.00	3.00	\$5
		r		G	3.00	0.00	3.00	\$20
CS	155		Applied Statistical Packages	G	3.00	2.00	3.00	\$35
MATLI	111	D	or	0	0.00			
MATH	111	Р	Intermediate Algebra	G	3.00	1.00	3.00	\$16
T1 : 10					15.00	10.00-11.00	16.00	
Third Qua			a	_	-			
Course N			Course Name	Type	Class	<u>Lab</u>	<u>Credit</u>	Course Fee
CS	125		Computer Numbering Systems	T	1.00	0.00	1.00	
MICS	142		Introduction to Access	T	1.00	1.00	1.00	\$30
NET	110		Cisco I	T	3.00	3.00	4.00	\$50
NET	120		Computer Architecture and Hardware	T	1.00	3.00	2.00	\$30
ACC	101	P	Accounting II	G	2.00	3.00	3.00	\$5
COMM	130		Speech	Ğ	3.00	0.00	3.00	\$10
			or	J	0.00	0.00	5.00	\$10
COMM	135		Verbal Career Skills	G	3.00	0.00	3.00	\$10
COMM	100		verbar eareer skins	J	11.00	10.00	14.00	\$10
Summer	Quarter				11.00	10.00	14.00	
Course N			Course Name	Type	Class	Lab	Credit	Course Fee
	advisor regardi	na cours		TYPE	Class	Lau	Credit	Course ree
See your a	advisor regard	ing cours	sc offerings.					
Fourth Q	uarter							
	0		Course Name	Tumo	Class	Lab	Constitution of the consti	O -
Course N			Course Name	<u>Type</u>	Class	Lab	Credit	Course Fee
CS	201		Advanced Networking	T	3.00	3.00	4.00	\$35
CS NET	201 200		Advanced Networking Advanced Web Page Design	T	3.00 2.00	3.00 4.00		
CS NET NET	201 200 210		Advanced Networking Advanced Web Page Design Cisco II	T T T	3.00 2.00 2.00	3.00	4.00	\$35
CS NET NET NET	201 200 210 225		Advanced Networking Advanced Web Page Design Cisco II Network Communication Theory	T	3.00 2.00	3.00 4.00	4.00 3.00	\$35 \$30
CS NET NET	201 200 210		Advanced Networking Advanced Web Page Design Cisco II	T T T	3.00 2.00 2.00	3.00 4.00 5.00	4.00 3.00 3.00	\$35 \$30
CS NET NET NET SOCI	201 200 210 225 153		Advanced Networking Advanced Web Page Design Cisco II Network Communication Theory Social and Cultural Awareness or	T T T T	3.00 2.00 2.00 2.00	3.00 4.00 5.00 1.00	4.00 3.00 3.00 2.00	\$35 \$30 \$50
CS NET NET NET	201 200 210 225		Advanced Networking Advanced Web Page Design Cisco II Network Communication Theory Social and Cultural Awareness	T T T T	3.00 2.00 2.00 2.00	3.00 4.00 5.00 1.00	4.00 3.00 3.00 2.00	\$35 \$30 \$50
CS NET NET NET SOCI	201 200 210 225 153		Advanced Networking Advanced Web Page Design Cisco II Network Communication Theory Social and Cultural Awareness or	T T T T G	3.00 2.00 2.00 2.00 4.00	3.00 4.00 5.00 1.00 0.00	4.00 3.00 3.00 2.00 4.00	\$35 \$30 \$50 \$7
CS NET NET NET SOCI	201 200 210 225 153		Advanced Networking Advanced Web Page Design Cisco II Network Communication Theory Social and Cultural Awareness or Introduction to Sociology	T T T T G	3.00 2.00 2.00 2.00 4.00	3.00 4.00 5.00 1.00 0.00	4.00 3.00 3.00 2.00 4.00	\$35 \$30 \$50 \$7
CS NET NET NET SOCI	201 200 210 225 153		Advanced Networking Advanced Web Page Design Cisco II Network Communication Theory Social and Cultural Awareness or Introduction to Sociology or	T T T T G	3.00 2.00 2.00 2.00 4.00 3.00	3.00 4.00 5.00 1.00 0.00	4.00 3.00 3.00 2.00 4.00	\$35 \$30 \$50 \$7
CS NET NET NET SOCI	201 200 210 225 153		Advanced Networking Advanced Web Page Design Cisco II Network Communication Theory Social and Cultural Awareness or Introduction to Sociology or Sociology of Family Living	T T T T G G	3.00 2.00 2.00 2.00 4.00 3.00	3.00 4.00 5.00 1.00 0.00	4.00 3.00 3.00 2.00 4.00 3.00	\$35 \$30 \$50 \$7 \$7
CS NET NET NET SOCI SOCI SOCI	201 200 210 225 153 160		Advanced Networking Advanced Web Page Design Cisco II Network Communication Theory Social and Cultural Awareness or Introduction to Sociology or Sociology of Family Living or Cross Cultural Studies	T T T T G G G	3.00 2.00 2.00 2.00 4.00 3.00 3.00	3.00 4.00 5.00 1.00 0.00 0.00	4.00 3.00 3.00 2.00 4.00 3.00 3.00	\$35 \$30 \$50 \$7
CS NET NET NET SOCI SOCI	201 200 210 225 153 160 161		Advanced Networking Advanced Web Page Design Cisco II Network Communication Theory Social and Cultural Awareness or Introduction to Sociology or Sociology of Family Living or	T T T T G G	3.00 2.00 2.00 2.00 4.00 3.00 3.00 3.00 0.00	3.00 4.00 5.00 1.00 0.00 0.00 0.00	4.00 3.00 3.00 2.00 4.00 3.00 3.00 3.00	\$35 \$30 \$50 \$7 \$7
CS NET NET NET SOCI SOCI SOCI SOCI SOCI NSC	201 200 210 225 153 160 161		Advanced Networking Advanced Web Page Design Cisco II Network Communication Theory Social and Cultural Awareness or Introduction to Sociology or Sociology of Family Living or Cross Cultural Studies	T T T T G G G	3.00 2.00 2.00 2.00 4.00 3.00 3.00	3.00 4.00 5.00 1.00 0.00 0.00	4.00 3.00 3.00 2.00 4.00 3.00 3.00	\$35 \$30 \$50 \$7 \$7
CS NET NET NET SOCI SOCI SOCI SOCI SOCI SOCI SOCI Fifth Qua	201 200 210 225 153 160 161 165		Advanced Networking Advanced Web Page Design Cisco II Network Communication Theory Social and Cultural Awareness or Introduction to Sociology or Sociology of Family Living or Cross Cultural Studies Natural Science Elective (Required)	T T T G G G	3.00 2.00 2.00 2.00 4.00 3.00 3.00 3.00 0.00 12.00-13.00	3.00 4.00 5.00 1.00 0.00 0.00 0.00 0.00 0.00 13.00	4.00 3.00 3.00 2.00 4.00 3.00 3.00 3.00 18.00-19.00	\$35 \$30 \$50 \$7 \$7 \$7
CS NET NET NET SOCI SOCI SOCI SOCI NSC Fifth Qua Course No	201 200 210 225 153 160 161 165 •••		Advanced Networking Advanced Web Page Design Cisco II Network Communication Theory Social and Cultural Awareness or Introduction to Sociology or Sociology of Family Living or Cross Cultural Studies Natural Science Elective (Required)	T T T T G G G	3.00 2.00 2.00 2.00 4.00 3.00 3.00 3.00 0.00 12.00-13.00	3.00 4.00 5.00 1.00 0.00 0.00 0.00 0.00 0.00 13.00	4.00 3.00 3.00 2.00 4.00 3.00 3.00 3.00 3.00 18.00-19.00	\$35 \$30 \$50 \$7 \$7 \$7 \$7
CS NET NET SOCI SOCI SOCI SOCI NSC Fifth Qua Course No	201 200 210 225 153 160 161 165 •••		Advanced Networking Advanced Web Page Design Cisco II Network Communication Theory Social and Cultural Awareness or Introduction to Sociology or Sociology of Family Living or Cross Cultural Studies Natural Science Elective (Required)  Course Name Database Management	T T T T T G G G G G G G Type T	3.00 2.00 2.00 2.00 4.00 3.00 3.00 3.00 0.00 12.00-13.00 Class 2.00	3.00 4.00 5.00 1.00 0.00 0.00 0.00 0.00 0.00 13.00 Lab 2.00	4.00 3.00 3.00 2.00 4.00 3.00 3.00 3.00 18.00-19.00 Credit 2.00	\$35 \$30 \$50 \$7 \$7 \$7 \$7 \$7 \$2 \$2 \$2 \$2 \$2 \$2 \$35
CS NET NET SOCI SOCI SOCI SOCI NSC Fifth Qua Course No CS MICS	201 200 210 225 153 160 161 165 ••• arter o. 240 152		Advanced Networking Advanced Web Page Design Cisco II Network Communication Theory Social and Cultural Awareness or Introduction to Sociology or Sociology of Family Living or Cross Cultural Studies Natural Science Elective (Required)  Course Name Database Management Advanced Access	T T T G G G G G T Type T T	3.00 2.00 2.00 2.00 4.00 3.00 3.00 3.00 0.00 12.00-13.00 Class 2.00 2.00	3.00 4.00 5.00 1.00 0.00 0.00 0.00 0.00 0.00 13.00 Lab 2.00 2.00	4.00 3.00 3.00 2.00 4.00 3.00 3.00 3.00 3.00 18.00-19.00 Credit 2.00 2.00	\$35 \$30 \$50 \$7 \$7 \$7 \$7 \$7 \$2 \$2 \$35 \$35 \$30
SOCI SOCI SOCI SOCI SOCI SOCI SOCI SOCI	201 200 210 225 153 160 161 165 ••• 240 152 211		Advanced Networking Advanced Web Page Design Cisco II Network Communication Theory Social and Cultural Awareness or Introduction to Sociology or Sociology of Family Living or Cross Cultural Studies Natural Science Elective (Required)  Course Name Database Management Advanced Access Cisco III	T T T G G G G G T T T	3.00 2.00 2.00 4.00 3.00 3.00 3.00 0.00 12.00-13.00 Class 2.00 2.00 2.00	3.00 4.00 5.00 1.00 0.00 0.00 0.00 0.00 13.00 Lab 2.00 2.00 6.00	4.00 3.00 3.00 2.00 4.00 3.00 3.00 3.00 3.00 18.00-19.00 Credit 2.00 2.00 4.00	\$35 \$30 \$50 \$7 \$7 \$7 \$7 \$7 \$2 \$2 \$35 \$30 \$50
SOCI SOCI SOCI SOCI SOCI SOCI SOCI SOCI	201 200 210 225 153 160 161 165 ••• 240 152 211 104		Advanced Networking Advanced Web Page Design Cisco II Network Communication Theory Social and Cultural Awareness or Introduction to Sociology or Sociology of Family Living or Cross Cultural Studies Natural Science Elective (Required)  Course Name Database Management Advanced Access Cisco III Job Search Techniques	T T T T T G G G G G T Type T T T G G	3.00 2.00 2.00 2.00 4.00 3.00 3.00 3.00 0.00 12.00-13.00 Class 2.00 2.00 2.00 1.00	3.00 4.00 5.00 1.00 0.00 0.00 0.00 0.00 13.00 Lab 2.00 2.00 6.00 0.00	4.00 3.00 3.00 2.00 4.00 3.00 3.00 3.00 3.00 0 0 0 0 0 0 0 0	\$35 \$30 \$50 \$7 \$7 \$7 \$7 \$7 \$2 \$2 \$35 \$35 \$30
SOCI SOCI SOCI SOCI SOCI SOCI SOCI SOCI	201 200 210 225 153 160 161 165 ••• 240 152 211		Advanced Networking Advanced Web Page Design Cisco II Network Communication Theory Social and Cultural Awareness or Introduction to Sociology or Sociology of Family Living or Cross Cultural Studies Natural Science Elective (Required)  Course Name Database Management Advanced Access Cisco III	T T T G G G G G T T T	3.00 2.00 2.00 2.00 4.00 3.00 3.00 0.00 12.00-13.00 Class 2.00 2.00 2.00 1.00 0.00	3.00 4.00 5.00 1.00 0.00 0.00 0.00 0.00 0.00 13.00 Lab 2.00 2.00 6.00 0.00	4.00 3.00 3.00 2.00 4.00 3.00 3.00 3.00 3.00 18.00-19.00  Credit 2.00 2.00 4.00 1.00 6.00	\$35 \$30 \$50 \$7 \$7 \$7 \$7 \$7 \$2 \$2 \$35 \$30 \$50
SOCI SOCI SOCI SOCI SOCI SOCI SOCI SOCI	201 200 210 225 153 160 161 165 ••• 240 152 211 104 •••		Advanced Networking Advanced Web Page Design Cisco II Network Communication Theory Social and Cultural Awareness or Introduction to Sociology or Sociology of Family Living or Cross Cultural Studies Natural Science Elective (Required)  Course Name Database Management Advanced Access Cisco III Job Search Techniques	T T T T T G G G G G T Type T T T G G	3.00 2.00 2.00 2.00 4.00 3.00 3.00 3.00 0.00 12.00-13.00 Class 2.00 2.00 2.00 1.00	3.00 4.00 5.00 1.00 0.00 0.00 0.00 0.00 13.00 Lab 2.00 2.00 6.00 0.00	4.00 3.00 3.00 2.00 4.00 3.00 3.00 3.00 3.00 0 0 0 0 0 0 0 0	\$35 \$30 \$50 \$7 \$7 \$7 \$7 \$7 \$2 \$2 \$35 \$30 \$50
SOCI SOCI SOCI SOCI SOCI SOCI SOCI NSC Fifth Qua Course Ni CS MICS NET COMM A/B Sixth Qua	201 200 210 225 153 160 161 165 ••• arter 0. 240 152 211 104 •••		Advanced Networking Advanced Web Page Design Cisco II Network Communication Theory Social and Cultural Awareness or Introduction to Sociology or Sociology of Family Living or Cross Cultural Studies Natural Science Elective (Required)  Course Name Database Management Advanced Access Cisco III Job Search Techniques Comm/Soci/Hum/Acc/Bus Elective (Required)	T T T G G G G Type T T T G G G	3.00 2.00 2.00 2.00 4.00 3.00 3.00 3.00 0.00 12.00-13.00 Class 2.00 2.00 2.00 1.00 7.00	3.00 4.00 5.00 1.00 0.00 0.00 0.00 0.00 13.00 Lab 2.00 2.00 6.00 0.00 0.00	4.00 3.00 3.00 2.00 4.00 3.00 3.00 3.00 3.00 18.00-19.00  Credit 2.00 2.00 4.00 1.00 6.00 15.00	\$35 \$30 \$50 \$7 \$7 \$7 \$7 \$2 \$2 \$35 \$30 \$50 \$10
SOCI SOCI SOCI SOCI SOCI SOCI SOCI NSC Fifth Qua Course No CS MICS NET COMM A/B Sixth Qua Course No	201 200 210 225 153 160 161 165 ••• arter o. 240 152 211 104 ••• arter o.		Advanced Networking Advanced Web Page Design Cisco II Network Communication Theory Social and Cultural Awareness or Introduction to Sociology or Sociology of Family Living or Cross Cultural Studies Natural Science Elective (Required)  Course Name Database Management Advanced Access Cisco III Job Search Techniques Comm/Soci/Hum/Acc/Bus Elective (Required)	T T T T T T T T T T T T T T T T T T T	3.00 2.00 2.00 4.00 3.00 3.00 3.00 0.00 12.00-13.00 Class 2.00 2.00 2.00 1.00 0.00 7.00	3.00 4.00 5.00 1.00 0.00 0.00 0.00 0.00 13.00 Lab 2.00 2.00 6.00 0.00 0.00	4.00 3.00 3.00 2.00 4.00 3.00 3.00 3.00 3.00 3.00 18.00-19.00  Credit 2.00 2.00 4.00 1.00 6.00 15.00  Credit	\$35 \$30 \$50 \$7 \$7 \$7 \$7 \$7 \$2 \$2 \$35 \$30 \$50 \$10
SOCI SOCI SOCI SOCI SOCI SOCI NSC Fifth Qua Course No CS MICS NET COMM A/B Sixth Qua Course No NET	201 200 210 225 153 160 161 165 ••• arter 0. 240 152 211 104 ••• arter 0. 212		Advanced Networking Advanced Web Page Design Cisco II Network Communication Theory Social and Cultural Awareness or Introduction to Sociology or Sociology of Family Living or Cross Cultural Studies Natural Science Elective (Required)  Course Name Database Management Advanced Access Cisco III Job Search Techniques Comm/Soci/Hum/Acc/Bus Elective (Required)  Course Name Cisco IV	T T T T G G G G Type T T G G G G Type T T T G G G T Type T T T G G G T Type T T T T G G G T Type T T T T T T T T T T T T T T T T T T T	3.00 2.00 2.00 4.00 3.00 3.00 3.00 0.00 12.00-13.00 Class 2.00 2.00 1.00 0.00 7.00	3.00 4.00 5.00 1.00 0.00 0.00 0.00 0.00 13.00 Lab 2.00 2.00 6.00 0.00 0.00 10.00	4.00 3.00 3.00 2.00 4.00 3.00 3.00 3.00 3.00 3.00 18.00-19.00  Credit 2.00 4.00 1.00 6.00 15.00  Credit 4.00	\$35 \$30 \$50 \$7 \$7 \$7 \$7 \$7 \$2 \$2 \$35 \$30 \$50 \$10
SOCI SOCI SOCI SOCI SOCI SOCI SOCI SOCI	201 200 210 225 153 160 161 165 ••• arter 0. 240 152 211 104 ••• arter 0. 212 215		Advanced Networking Advanced Web Page Design Cisco II Network Communication Theory Social and Cultural Awareness or Introduction to Sociology or Sociology of Family Living or Cross Cultural Studies Natural Science Elective (Required)  Course Name Database Management Advanced Access Cisco III Job Search Techniques Comm/Soci/Hum/Acc/Bus Elective (Required)  Course Name Cisco IV Network Systems Security	T T T T G G G G Type T T G G G Type T T T T G G T T T T T T T T T T T T T	3.00 2.00 2.00 2.00 4.00 3.00 3.00 3.00 0.00 12.00-13.00  Class 2.00 2.00 1.00 0.00 7.00  Class 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.	3.00 4.00 5.00 1.00 0.00 0.00 0.00 0.00 13.00 Lab 2.00 2.00 6.00 0.00 0.00	4.00 3.00 3.00 2.00 4.00 3.00 3.00 3.00 3.00 3.00 18.00-19.00  Credit 2.00 2.00 4.00 1.00 6.00 15.00  Credit	\$35 \$30 \$50 \$7 \$7 \$7 \$7 \$7 \$2 \$2 \$35 \$30 \$50 \$10
CS NET NET NET SOCI SOCI SOCI SOCI SOCI SOCI SOCI SOCI	201 200 210 225 153 160 161 165 ••• arter 0. 240 152 211 104 ••• arter 0. 212		Advanced Networking Advanced Web Page Design Cisco II Network Communication Theory Social and Cultural Awareness or Introduction to Sociology or Sociology of Family Living or Cross Cultural Studies Natural Science Elective (Required)  Course Name Database Management Advanced Access Cisco III Job Search Techniques Comm/Soci/Hum/Acc/Bus Elective (Required)  Course Name Cisco IV Network Systems Security Server Management	T T T T T G G G G Type T T G G G Type T T T G G G T Type T T T T G T T T T T T T T T T T T T T	3.00 2.00 2.00 4.00 3.00 3.00 3.00 0.00 12.00-13.00 Class 2.00 2.00 1.00 0.00 7.00	3.00 4.00 5.00 1.00 0.00 0.00 0.00 0.00 13.00 Lab 2.00 2.00 6.00 0.00 0.00 10.00	4.00 3.00 3.00 2.00 4.00 3.00 3.00 3.00 3.00 3.00 18.00-19.00  Credit 2.00 4.00 1.00 6.00 15.00  Credit 4.00	\$35 \$30 \$50 \$7 \$7 \$7 \$7 \$7 \$2 \$2 \$35 \$30 \$50 \$10
SOCI SOCI SOCI SOCI SOCI SOCI SOCI SOCI	201 200 210 225 153 160 161 165 ••• arter 0. 240 152 211 104 ••• arter 0. 212 215	P	Advanced Networking Advanced Web Page Design Cisco II Network Communication Theory Social and Cultural Awareness or Introduction to Sociology or Sociology of Family Living or Cross Cultural Studies Natural Science Elective (Required)  Course Name Database Management Advanced Access Cisco III Job Search Techniques Comm/Soci/Hum/Acc/Bus Elective (Required)  Course Name Cisco IV Network Systems Security	T T T T G G G G Type T T G G G Type T T T T G G T T T T T T T T T T T T T	3.00 2.00 2.00 2.00 4.00 3.00 3.00 3.00 0.00 12.00-13.00  Class 2.00 2.00 1.00 0.00 7.00  Class 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.	3.00 4.00 5.00 1.00 0.00 0.00 0.00 0.00 13.00 Lab 2.00 2.00 6.00 0.00 10.00	4.00 3.00 3.00 2.00 4.00 3.00 3.00 3.00 3.00 3.00 18.00-19.00  Credit 2.00 2.00 4.00 1.00 6.00 15.00  Credit 4.00 3.00	\$35 \$30 \$50 \$7 \$7 \$7 \$7 \$7 \$2 \$2 \$35 \$30 \$50 \$10 \$2 \$35 \$30 \$30 \$30 \$30 \$30 \$30
CS NET NET NET SOCI SOCI SOCI SOCI SOCI SOCI SOCI SOCI	201 200 210 225 153 160 161 165 ••• arter 0. 240 152 211 104 ••• arter 0. 212 215 220	P P	Advanced Networking Advanced Web Page Design Cisco II Network Communication Theory Social and Cultural Awareness or Introduction to Sociology or Sociology of Family Living or Cross Cultural Studies Natural Science Elective (Required)  Course Name Database Management Advanced Access Cisco III Job Search Techniques Comm/Soci/Hum/Acc/Bus Elective (Required)  Course Name Cisco IV Network Systems Security Server Management	T T T T T G G G G Type T T G G G Type T T T G G G T Type T T T T G T T T T T T T T T T T T T T	3.00 2.00 2.00 2.00 4.00 3.00 3.00 3.00 0.00 12.00-13.00  Class 2.00 2.00 1.00 0.00 7.00  Class 2.00 3.00	3.00 4.00 5.00 1.00 0.00 0.00 0.00 0.00 0.00 13.00 Lab 2.00 6.00 0.00 0.00 10.00	4.00 3.00 3.00 2.00 4.00 3.00 3.00 3.00 3.00 3.00 18.00-19.00  Credit 2.00 4.00 1.00 6.00 15.00  Credit 4.00 3.00 4.00 4.00	\$35 \$30 \$50 \$7 \$7 \$7 \$7 \$7 \$2 \$2 \$35 \$30 \$50 \$10 \$2 \$35 \$30 \$30 \$30 \$30 \$30 \$30 \$30 \$30 \$30 \$30
SOCI SOCI SOCI SOCI SOCI SOCI SOCI NSC Fifth Qua Course No CS MICS NET COMM A/B Sixth Qua Course No NET NET NET NET SOCI	201 200 210 225 153 160 161 165 ••• arter 0. 240 152 211 104 ••• arter 0. 212 215 220 169		Advanced Networking Advanced Web Page Design Cisco II Network Communication Theory Social and Cultural Awareness or Introduction to Sociology or Sociology of Family Living or Cross Cultural Studies Natural Science Elective (Required)  Course Name Database Management Advanced Access Cisco III Job Search Techniques Comm/Soci/Hum/Acc/Bus Elective (Required)  Course Name Cisco IV Network Systems Security Server Management Human Relations in Organizations	T T T T G G G G Type T T G G G Type T T G G G	3.00 2.00 2.00 2.00 4.00 3.00 3.00 3.00 0.00 12.00-13.00  Class 2.00 2.00 1.00 0.00 7.00  Class 2.00 2.00 3.00 3.00 3.00	3.00 4.00 5.00 1.00 0.00 0.00 0.00 0.00 13.00 Lab 2.00 2.00 6.00 0.00 0.00 10.00	4.00 3.00 3.00 2.00 4.00 3.00 3.00 3.00 3.00 18.00-19.00  Credit 2.00 2.00 4.00 1.00 6.00 15.00  Credit 4.00 3.00 4.00 3.00	\$35 \$30 \$50 \$7 \$7 \$7 \$7 \$7 \$2 \$35 \$30 \$50 \$10 \$2 \$35 \$30 \$50 \$10
SOCI SOCI SOCI SOCI SOCI SOCI SOCI NSC Fifth Qua Course No CS MICS NET COMM A/B Sixth Qua Course No NET NET NET NET SOCI	201 200 210 225 153 160 161 165 ••• arter 0. 240 152 211 104 ••• arter 0. 212 215 220 169		Advanced Networking Advanced Web Page Design Cisco II Network Communication Theory Social and Cultural Awareness or Introduction to Sociology or Sociology of Family Living or Cross Cultural Studies Natural Science Elective (Required)  Course Name Database Management Advanced Access Cisco III Job Search Techniques Comm/Soci/Hum/Acc/Bus Elective (Required)  Course Name Cisco IV Network Systems Security Server Management Human Relations in Organizations Introduction to Psychology	T T T T T T T T T T T T T T T T T T T	3.00 2.00 2.00 2.00 4.00 3.00 3.00 3.00 0.00 12.00-13.00  Class 2.00 2.00 2.00 1.00 0.00 7.00  Class 2.00 3.00 3.00 3.00 3.00 3.00 3.00	3.00 4.00 5.00 1.00 0.00 0.00 0.00 0.00 13.00  Lab 2.00 6.00 0.00 10.00  Lab 6.00 3.00 4.00 0.00 0.00	4.00 3.00 3.00 2.00 4.00 3.00 3.00 3.00 3.00 3.00 18.00-19.00  Credit 2.00 2.00 4.00 1.00 6.00 15.00  Credit 4.00 3.00 3.00 3.00 3.00 3.00 3.00	\$35 \$30 \$50 \$7 \$7 \$7 \$7 \$7 \$2 \$35 \$30 \$50 \$10 \$2 \$35 \$30 \$50 \$10 \$2 \$35 \$37 \$30 \$30 \$30 \$30 \$30 \$30 \$30 \$30 \$30 \$30
CS NET NET NET SOCI SOCI SOCI SOCI SOCI NSC Fifth Qua Course No CS MICS MET COMM A/B Sixth Qua Course No NET NET NET NET NET NET SOCI PSYC	201 200 210 225 153 160 161 165 ••• arter 0. 240 152 211 104 ••• arter 0. 212 215 220 169 150		Advanced Networking Advanced Web Page Design Cisco II Network Communication Theory Social and Cultural Awareness or Introduction to Sociology or Sociology of Family Living or Cross Cultural Studies Natural Science Elective (Required)  Course Name Database Management Advanced Access Cisco III Job Search Techniques Comm/Soci/Hum/Acc/Bus Elective (Required)  Course Name Cisco IV Network Systems Security Server Management Human Relations in Organizations Introduction to Psychology or Interpersonal Relationships	T T T T G G G G Type T T G G G Type T T G G G	3.00 2.00 2.00 2.00 4.00 3.00 3.00 3.00 0.00 12.00-13.00  Class 2.00 2.00 1.00 0.00 7.00  Class 2.00 3.00 3.00 3.00 3.00 3.00 3.00	3.00 4.00 5.00 1.00 0.00 0.00 0.00 0.00 13.00  Lab 2.00 6.00 0.00 10.00  Lab 6.00 3.00 4.00 0.00 0.00 0.00	4.00 3.00 3.00 2.00 4.00 3.00 3.00 3.00 3.00 3.00 18.00-19.00  Credit 2.00 2.00 4.00 1.00 6.00 15.00  Credit 4.00 3.00 4.00 3.00 4.00 3.00 3.00 3.00	\$35 \$30 \$50 \$7 \$7 \$7 \$7 \$7 \$2 \$2 \$35 \$30 \$50 \$10 \$2 \$35 \$30 \$50 \$10 \$2 \$35 \$30 \$30 \$30 \$30 \$30 \$30 \$30 \$30 \$30 \$30
CS NET NET NET SOCI SOCI SOCI SOCI NSC Fifth Qua Course No MICS NET COMM A/B Sixth Qua Course No NET NET NET NET SOCI PSYC	201 200 210 225 153 160 161 165 ••• arter 0. 240 152 211 104 ••• arter 0. 212 215 220 169 150		Advanced Networking Advanced Web Page Design Cisco II Network Communication Theory Social and Cultural Awareness or Introduction to Sociology or Sociology of Family Living or Cross Cultural Studies Natural Science Elective (Required)  Course Name Database Management Advanced Access Cisco III Job Search Techniques Comm/Soci/Hum/Acc/Bus Elective (Required)  Course Name Cisco IV Network Systems Security Server Management Human Relations in Organizations Introduction to Psychology or	T T T T T T T T T T T T T T T T T T T	3.00 2.00 2.00 2.00 4.00 3.00 3.00 3.00 0.00 12.00-13.00  Class 2.00 2.00 1.00 0.00 7.00  Class 2.00 2.00 3.00 3.00 3.00 3.00 3.00 3.00	3.00 4.00 5.00 1.00 0.00 0.00 0.00 0.00 13.00  Lab 2.00 2.00 6.00 0.00 10.00  Lab 6.00 3.00 4.00 0.00 0.00 0.00 0.00 0.00 0	4.00 3.00 3.00 2.00 4.00 3.00 3.00 3.00 3.00 3.00 18.00-19.00  Credit 2.00 2.00 4.00 1.00 6.00 15.00  Credit 4.00 3.00 4.00 3.00 3.00 3.00 3.00 3.00	\$35 \$30 \$50 \$7 \$7 \$7 \$7 \$7 \$2 \$35 \$30 \$50 \$10 \$2 \$35 \$30 \$50 \$10 \$2 \$35 \$37 \$30 \$30 \$30 \$30 \$30 \$30 \$30 \$30 \$30 \$30
CS NET NET NET SOCI SOCI SOCI SOCI NSC Fifth Qua Course Ni CS MICS NET COMM A/B Sixth Qua Course Ni NET NET NET NET NET SOCI PSYC PSYC NET	201 200 210 210 225 153 160 161 165 ••• arter 0. 240 152 211 104 ••• arter 0. 212 215 220 169 150 154 220		Advanced Networking Advanced Web Page Design Cisco II Network Communication Theory Social and Cultural Awareness or Introduction to Sociology or Sociology of Family Living or Cross Cultural Studies Natural Science Elective (Required)  Course Name Database Management Advanced Access Cisco III Job Search Techniques Comm/Soci/Hum/Acc/Bus Elective (Required)  Course Name Cisco IV Network Systems Security Server Management Human Relations in Organizations Introduction to Psychology or Interpersonal Relationships Server Management	T T T T T T T T T T T T T T T T T T T	3.00 2.00 2.00 2.00 4.00 3.00 3.00 3.00 0.00 12.00-13.00  Class 2.00 2.00 1.00 0.00 7.00  Class 2.00 3.00 3.00 3.00 3.00 3.00 3.00	3.00 4.00 5.00 1.00 0.00 0.00 0.00 0.00 13.00  Lab 2.00 6.00 0.00 10.00  Lab 6.00 3.00 4.00 0.00 0.00 0.00	4.00 3.00 3.00 2.00 4.00 3.00 3.00 3.00 3.00 3.00 18.00-19.00  Credit 2.00 2.00 4.00 1.00 6.00 15.00  Credit 4.00 3.00 4.00 3.00 4.00 3.00 3.00 3.00	\$35 \$30 \$50 \$7 \$7 \$7 \$7 \$7 \$2 \$2 \$35 \$30 \$50 \$10 \$2 \$35 \$30 \$50 \$10 \$2 \$35 \$30 \$30 \$30 \$30 \$30 \$30 \$30 \$30 \$30 \$30
CS NET NET NET SOCI SOCI SOCI SOCI NSC Fifth Qua Course No CS MICS NET COMM A/B Sixth Qua Course No NET NET NET NET SOCI PSYC PSYC NET Technical	201 200 210 210 225 153 160 161 165 ••• arter 0. 240 152 211 104 ••• arter 0. 212 215 220 169 150 154 220 Credit Hours		Advanced Networking Advanced Web Page Design Cisco II Network Communication Theory Social and Cultural Awareness or Introduction to Sociology or Sociology of Family Living or Cross Cultural Studies Natural Science Elective (Required)  Course Name Database Management Advanced Access Cisco III Job Search Techniques Comm/Soci/Hum/Acc/Bus Elective (Required)  Course Name Cisco IV Network Systems Security Server Management Human Relations in Organizations Introduction to Psychology or Interpersonal Relationships Server Management	T T T T T T T T T T T T T T T T T T T	3.00 2.00 2.00 2.00 4.00 3.00 3.00 3.00 0.00 12.00-13.00  Class 2.00 2.00 1.00 0.00 7.00  Class 2.00 2.00 3.00 3.00 3.00 3.00 3.00 3.00	3.00 4.00 5.00 1.00 0.00 0.00 0.00 0.00 13.00  Lab 2.00 2.00 6.00 0.00 10.00  Lab 6.00 3.00 4.00 0.00 0.00 0.00 0.00 0.00 0	4.00 3.00 3.00 2.00 4.00 3.00 3.00 3.00 3.00 3.00 18.00-19.00  Credit 2.00 2.00 4.00 1.00 6.00 15.00  Credit 4.00 3.00 4.00 3.00 3.00 3.00 3.00 3.00	\$35 \$30 \$50 \$7 \$7 \$7 \$7 \$7 \$2 \$2 \$35 \$30 \$50 \$10 \$2 \$35 \$30 \$50 \$10 \$2 \$35 \$30 \$30 \$30 \$30 \$30 \$30 \$30 \$30 \$30 \$30
CS NET NET NET SOCI SOCI SOCI SOCI NSC Fifth Qua Course No CS MICS NET COMM A/B Sixth Qua Course No NET NET NET NET SOCI PSYC PSYC NET Technical	201 200 210 215 153 160 161 165 ••• arter 0. 240 152 211 104 ••• arter 0. 212 215 220 169 150 154 220 Credit Hours		Advanced Networking Advanced Web Page Design Cisco II Network Communication Theory Social and Cultural Awareness or Introduction to Sociology or Sociology of Family Living or Cross Cultural Studies Natural Science Elective (Required)  Course Name Database Management Advanced Access Cisco III Job Search Techniques Comm/Soci/Hum/Acc/Bus Elective (Required)  Course Name Cisco IV Network Systems Security Server Management Human Relations in Organizations Introduction to Psychology or Interpersonal Relationships Server Management	T T T T T T T T T T T T T T T T T T T	3.00 2.00 2.00 2.00 4.00 3.00 3.00 3.00 0.00 12.00-13.00  Class 2.00 2.00 1.00 0.00 7.00  Class 2.00 2.00 3.00 3.00 3.00 3.00 3.00 3.00	3.00 4.00 5.00 1.00 0.00 0.00 0.00 0.00 13.00  Lab 2.00 2.00 6.00 0.00 10.00  Lab 6.00 3.00 4.00 0.00 0.00 0.00 0.00 0.00 0	4.00 3.00 3.00 2.00 4.00 3.00 3.00 3.00 3.00 3.00 18.00-19.00  Credit 2.00 2.00 4.00 1.00 6.00 15.00  Credit 4.00 3.00 4.00 3.00 3.00 3.00 3.00 3.00	\$35 \$30 \$50 \$7 \$7 \$7 \$7 \$7 \$2 \$2 \$35 \$30 \$50 \$10 \$2 \$35 \$30 \$50 \$10 \$2 \$35 \$30 \$30 \$30 \$30 \$30 \$30 \$30 \$30 \$30 \$30

Network Systems Notes: Communications/Social Science/Humanities/Accounting/Business elective may be any 3 credit course in any of these five subject areas not already on your curriculum. Students must choose from the following Social Science electives: A: PSYC 150 (Introduction to Psychology) or PSYC 154 (Interpersonal Relationships); B: SOCI 160 (Introduction to Sociology) or SOCI 165 (Cross Cultural Studies), SOCI 161 (Sociology of Family Living), or SOCI 153 (Social and Cultural Awareness). Three occupational certificates, Microcomputer Software User, CISCO Academy I-IV, and Networking and Web Design are available. Please see a Computer Programming instructor for more information.

# School of Computer and Information Technology Certificates

#### **Occupational Certificates**

#### Cisco Networking Academy Level I

Objective: To provide the student with basic skills in router and switch administration. Completion of this certificate also prepares the student to sit for the Cisco Certified Network Assistant (CCNA) exam.

Course No.		Course Name	Credits	
NET	110	Cisco I	4	
NET	210	Cisco II	3	
NET	211	Cisco III	4	
NET	212	Cisco IV	<u>4</u>	
			15	

#### Internet Webmaster

Objective: To prepare the student to sit for the Certified Internet Web

Master exam.

Cours	e No.	Course Name	Credit
EC	100	Internet Webmaster I	4
EC	200	Internet Webmaster II	4
EC	201	Internet Webmaster III	<u>4</u>
			12

#### Micro Computer Software User

Objective: To prepare students for entry level use of microcomputer

software packages.

Course	No.		Course Name	Credits
CS	155		Applied Statistical Packages	3
MICS	110		Introduction to Visual Basic	2
MICS	141		Introduction to Excel	1
MICS	142		Introduction to Access	1
MICS	144		Introduction to Word	1
MICS	152		Advanced Access	2
MICS	201		Desktop Publishing (IBM's)	2
NET	100		Internet and Web Page Design	1
OAT	180	Р	Keyboarding	1
MICS	115		PC Operating Systems	2
				16

#### Networking and Web Design

Objective: To provide the student with basic concepts in networking, internet, and web page design for business applications.

Course	No.	Course Name	Credits
CS	200	Introduction to Networking	3
CS	201	Advanced Networking	4
NET	100	Internet and Web Page Design	1
NET	200	Advanced Web Page Design	3
MICS	144	Introduction to Word	<u>1</u>
			12

### School of Health and Nursing

#### Technical Programs

Programs leading to an Associate Degree, Diploma or Technologist Certification.

Early Childhood Development - Nanny/Business
Early Childhood Development - Nanny/Dietetics
Fitness Management
Massage Therapy/Business Management
Medical Assistant
Medical Records/Health Information Management
Nursing Level I - Practical Nursing
Nursing Level II - Associate Degree
Nutrition and Dietetics
Opticianry
Physical Therapist Assistant
Radiologic Technician

#### Certificate Programs

Programs providing specific technical skills.

#### Certificate of Completion

Surgical/Operating Room Technology

Awarded for successful completion of a course or series of courses (less than twelve credit hours) leading to acquisition of specific knowledge and skills.

Electrocardiograph Technician Phlebotomist

#### Occupational Certificate

Awarded for successful completion of twelve or more credit hours in which the individual acquires knowledge and skills that are directly applicable to specific entry level employment.

Coding Clerk
Dietary Manager
Early Childhood Development - Nanny
Health Information Management Clerk
Massage Therapy
Medical Transcriptionist
Surgical Assistant

#### Technical Certificate

Awarded for successful completion of a prescribed sequence of courses within a given technology in which the certificate is offered. The total credit hours are at least 50% of the number required for the associate degree in that technology. The technical component will be 27–33 quarter hours with the balance being in general courses.

Medical Assistant

## Early Childhood Development - Nanny/Business For students entering June, 2002 through May, 2003

First Quarter Course No. EDEC 100 EDEC 110 BIOS 100 COMM 115 GS 133 PSYC 150	P P	Course Name Fundamentals of Child Care Child Care Practicum I Health Science - The Human Machine Children's Literature Defensive Driving Introduction to Psychology	Type T T G G G G	<u>Class</u> 3.00 1.00 3.00 3.00 0.25 3.00 13.25	<u>Lab</u> 1.00 7.00 0.00 0.00 0.00 0.00 8.00	Credit 3.00 2.00 3.00 3.00 0.25 3.00 14.25	Course Fee \$20 \$30 \$10 \$50 \$7
Second Quarter           Course No.         111           EDEC         111           EDEC         120           DT         109           EM         133           EM         134           PSYC         162           SOCI         161	P P	Course Name Child Care Practicum II Creative Activity for Children Infant and Early Child Nutrition CPR for the Professional Rescuer Standard First Aid Child/Adolescent Development Sociology of Family Living	Type T T G G G G G	Class 1.00 4.00 1.00 1.00 1.00 4.00 3.00 15.00	Lab 7.00 1.00 0.00 0.00 0.00 0.00 0.00 0.00	Credit 2.00 4.00 1.00 1.00 1.00 4.00 3.00 16.00	Course Fee \$55 \$30 \$25 \$25 \$7 \$7
Third Quarter Course No. EDEC 112 EDEC 115 COMM 122 COMM 135 DT 104 PSYC 140	Р	Course Name Child Care Practicum III Dynamics of Child Care Communications II Verbal Career Skills Food Preparation Principles for Children Issues in Child Development	Type T T G G G G	Class 1.00 3.00 3.00 3.00 1.00 4.00 15.00	Lab 7.00 0.00 0.00 0.00 3.00 0.00 10.00	Credit 2.00 3.00 3.00 3.00 2.00 4.00 17.00	Course Fee \$55 \$20 \$10 \$20 \$7
Summer Quarter Course No. See your advisor regardi	ing course	Course Name offerings.	<u>Type</u>	Class	<u>Lab</u>	Credit	Course Fee
Fourth Quarter Course No.  ACC 120 BUS 100 BUS 102 BUS 110 ACC 100 OAT 180 BUS 165	P P P	Course Name Payroll Accounting Small Business Management I Principles and Practices of Management I Marketing Accounting I Keyboarding Advertising (Optional)	Type T T T T G G G	Class 2.00 3.00 3.00 3.00 2.00 1.00 3.00 14.00-17.00	<u>Lab</u> 3.00 2.00 2.00 2.00 3.00 1.00 2.00 13.00-15.00	Credit 3.00 3.00 3.00 3.00 3.00 3.00 1.00 3.00 16.00-19.00	Course Fee \$12 \$5 \$5 \$5 \$5 \$25 \$15
Fifth Quarter Course No. ACC 101 ACC 140 BUS 101 BUS 200 COMM 123 A MATH 108 B  Sixth Quarter Course No.	P P	Course Name Accounting II Individual Taxation Small Business Management II Business Law Communications III Job Communication Introduction to Algebra for Business  Course Name Business Tayation	Type T T T G G G T	Class 2.00 2.00 3.00 3.00 3.00 3.00 16.00	Lab 3.00 3.00 2.00 0.00 0.00 1.00 9.00	Credit 3.00 3.00 3.00 3.00 3.00 3.00 18.00	Course Fee \$5 \$36 \$5 \$20 \$16
ACC 150 ACC 162 BUS 260 BUS 120 BUS 247 COMM 104 HUM 203	P P	Business Taxation Microcomputer Accounting Business Planning Personal Finance Excel for Windows Job Search Techniques Ethics, Values, and Morality	T T T G G G	3.00 1.00 1.00 3.00 2.00 1.00 3.00 14.00	4.00 4.00 3.00 0.00 3.00 0.00 <u>0.00</u> 14.00	4.00 2.00 2.00 3.00 3.00 1.00 3.00 18.00	\$36 \$30 \$24 \$36 \$10 \$5
Technical Credit Hours General Credit Hours		45.00-48.00 54.25					

## Early Childhood Development - Nanny/Dietetics

For students entering June, 2002 through May, 2003

First Quarter Course No. EDEC 100 EDEC 110 BIOS 100 COMM 115 GS 133 PSYC 150	P P	Course Name Fundamentals of Child Care Child Care Practicum I Health Science – The Human Machine Children's Literature Defensive Driving Introduction to Psychology	Type T T G G G G	Class 3.00 1.00 3.00 3.00 .25 3.00 13.25	Lab 1.00 7.00 0.00 0.00 0.00 0.00 8.00	Credit 3.00 2.00 3.00 3.00 .25 3.00 14.25	Course Fee \$20 \$30 \$10 \$50 \$7
Second Quarter           Course No.           EDEC         111           EDEC         120           DT         109           EM         133           EM         134           PSYC         162           SOCI         161	P P	Course Name Child Care Practicum II Creative Activities for Children Infant and Early Child Nutrition CPR for the Professional Rescuer Standard First Aid Child and Adolescent Development Sociology of Family Living	Type T T G G G G	Class 1.00 4.00 1.00 1.00 1.00 4.00 3.00 15.00	<u>Lab</u> 7.00 1.00 0.00 0.00 0.00 0.00 0.00 8.00	Credit 2.00 4.00 1.00 1.00 1.00 4.00 3.00 16.00	Course Fee \$55 \$30 \$25 \$25 \$7 \$7
Third Quarter Course No. EDEC 112 EDEC 115 COMM 122 COMM 135 DT 104 PSYC 140	Р	Course Name Child Care Practicum III Dynamics of Child Care Communications II Verbal Career Skills Food Preparation Principles for Children Issues in Child Development	Type T T G G G G	Class 1.00 3.00 3.00 3.00 1.00 4.00 15.00	Lab 7.00 0.00 0.00 0.00 3.00 0.00 10.00	Credit 2.00 3.00 3.00 3.00 2.00 4.00 17.00	Course Fee \$55 \$20 \$10 \$20 \$7
Summer Quarter <u>Course No.</u> See your advisor regardin	ng cours	<u>Course Name</u> e offerings.	<u>Type</u>	<u>Class</u>	<u>Lab</u>	Credit	Course Fee
Fourth Quarter Course No.  DT 100  DT 101  DT 102  HLTH 202  HOTR 110  MATH 108 B  OAT 180	P P	Course Name Survey of Dietetics Dietetic Directed Practice I Basic Nutrition Community Health Quality Sanitation Management Introduction to Algebra for Business Keyboarding	Type T T T G G G G	<u>Class</u> 2.00 1.00 5.00 2.00 2.00 3.00 1.00 16.00	<u>Lab</u> 0.00 7.00 0.00 0.00 1.00 1.00 1.00 10.00	Credit 2.00 2.00 5.00 2.00 2.00 3.00 1.00 17.00	Course Fee \$30 \$10 \$16 \$25
Fifth Quarter Course No.  DT 103  DT 106  DT 111  DT 120  COMM 123  MICS 121	P P	Course Name Food Preparation Principles Food Production Management Dietetic Directed Practice II Normal and Modified Menu Planning Communications III Microsoft Office	Type T T T T G G	<u>Class</u> 2.00 3.00 1.00 3.00 3.00 2.00 14.00	Lab 4.00 0.00 7.00 0.00 0.00 3.00 14.00	Credit 3.00 3.00 2.00 3.00 3.00 3.00 17.00	Course Fee \$30 \$35 \$20 \$45
Sixth Quarter <u>Course No.</u> DT 119 DT 121 DT 122 DT 212 DT 220 HOTR 233	P P	Course Name Food Purchasing for Health Care Institutions Dietetic Directed Practice III Supervision in Dietetics Nutrition Education Methods Current Topics in Dietetics Food and Beverage Controls	Type T T T T T G	Class 3.00 1.00 3.00 2.00 0.25 3.00 12.25-14.00	Lab 0.00 7.00 0.00 0.00 0.00 0.00 7.00	Credit 3.00 2.00 3.00 2.00 0.25-2.00 3.00 13.25-15.00	Course Fee \$35 \$10
Technical Credit Hours General Credit Hours Total Credit Hours		46.25-48.00 48.25 94.50- 96.25					

## Fitness Management

First Quarter

## Massage Therapy/Business Management For students entering June, 2002 through May, 2003

First Quarter							
Course No.		Course Name	Type	Class	Lab	Credit	Course Fee
BUS 100	Р	Small Business Management I	T	3.00	2.00	3.00	\$5
BUS 102	Р	Principles and Practices of Management I	T	3.00	2.00	3.00	40
BUS 165		Advertising	T	3.00	2.00	3.00	\$15
MT 110		Swedish Massage I	T	2.00	3.00	3.00	\$70
BIOS 151		Massage Anatomy and Physiology I	G	4.00	0.00	4.00	
				15.00	9.00	16.00	
C							
Second Quarter Course No.		Course Name	T	01		0 111	
BUS 101	Р	Course Name Small Business Management II	<u>Type</u>	Class	<u>Lab</u>	Credit	Course Fee
MT 120	Г	Swedish Massage II	T T	3.00	2.00	3.00	\$5
BIOS 152		Massage Anatomy and Physiology II	G	2.00 4.00	3.00	3.00	\$70
BUS 200		Business Law	G	3.00	0.00 0.00	4.00	
EM 134	Р	Standard First Aid	G	1.00	0.00	3.00 1.00	¢or.
MATH 108 B	'	Introduction to Algebra for Business	G	3.00	1.00	3.00	\$25 \$16
1000		meroduction to Augeora for Business	o o	16.00	6.00	17.00	\$10
				10.00	0.00	17.00	
Third Quarter							
Course No.		Course Name	<u>Type</u>	Class	<u>Lab</u>	Credit	Course Fee
BUS 103	P	Principles and Practices of Management II	T	3.00	2.00	3.00	
MT 130		Swedish Massage III	T	2.00	3.00	3.00	\$70
MT 135		Myology for Massage Therapists	T	2.00	2.00	3.00	\$40
BIOS 153		Massage Anatomy and Physiology III	G	4.00	0.00	4.00	
EM 133	Р	CPR for the Professional Rescuer	G	1.00	0.00	1.00	\$25
MICS 121 A		Microsoft Office - Word Processing	G	1.00	1.00	1.00	\$15
PSYC 150	Р	Introduction to Psychology	G	3.00	0.00	3.00	\$7
				16.00	8.00	18.00	
Fourth Quarter							
Course No.		Course Name	Type	Class	<u>Lab</u>	Credit	Course Fee
MT 210		Massage Techniques I	T	2.00	3.00	3.00	\$70
ACC 100	Р	Accounting I	Ġ	2.00	3.00	3.00	\$5
BIOS 154		Massage Anatomy and Physiology IV	Ğ	4.00	0.00	4.00	ψ3
COMM 104		Job Search Techniques	Ğ	1.00	0.00	1.00	\$10
PSYC 154		Interpersonal Relationships	Ğ	3.00	0.00	3.00	\$7
BUS •••		Business Elective (Required)	T	0.00	0.00	3.00	Ψ,
		, ,		12.00	6.00	17.00	
Fifth Quarter							
Course No.		Course Name	Tuno	Class	Lab	Cuadit	C
BUS 260		Business Planning	<u>Type</u> T	Class	<u>Lab</u>	Credit	Course Fee
MT 220		Massage Techniques II	Ť	1.00 2.00	3.00 3.00	2.00	\$24
BIOS 155		Massage Anatomy and Physiology V	Ġ	4.00	0.00	3.00 4.00	\$70
COMM 122	Р	Communications II	G	3.00	0.00	3.00	\$20
COMM 130	'	Speech	G	3.00	0.00	3.00	\$20 \$10
COMM		or	o .	3.00	0.00	3.00	\$10
COMM 135		Verbal Career Skills	G	3.00	0.00	3.00	\$10
				13.00	6.00	15.00	4.5
Sixth Quarter							
Course No.		Course Name	Type	Class	<u>Lab</u>	<u>Credit</u>	Course Fee
MT 230		Massage Techniques III	Ţ	2.00	3.00	3.00	\$70
MT 240		Massage Integration Seminar	Ţ	4.00	0.00	4.00	
MT 250	D	Massage Clinical	T	1.00	3.00	2.00	\$70
COMM 123	P P	Communications III Developmental Psychology	G	3.00	0.00	3.00	\$20
PSYC 151 SOCI 165	۲	Cross Cultural Studies	G	3.00	0.00	3.00	\$7
SOCI 165		Cross Cultural Studies	G	3.00 16.00	0.00	3.00	\$7
				16.00	6.00	18.00	
Technical Credit Hour	'S	47.00					
General Credit Hours		54.00					
Total Credit Hours		101.00					

## **Medical Assistant**

For students entering June, 2002 through May, 2003

First Quarter Course No. MA 100 MA 102 BIOS 112 HLTH 101 OAT 180 P PSYC 150 P	Course Name Basic Clinical Assistant Procedures Medical Office Procedures I The Human Organism Medical Terminology I Keyboarding Introduction to Psychology	Type T T G G G G	Class 4.00 2.00 3.00 3.00 1.00 3.00 16.00	<u>Lab</u> 3.00 2.00 2.00 0.00 1.00 0.00 8.00	Credit 5.00 2.00 3.00 3.00 1.00 3.00 17.00	Course Fee \$55 \$20 \$30 \$25 \$7
Second Quarter           Course No.         MA         112           MA         120         MA         122           BIOS         113         EM         133         P           EM         134         P         MA         221	Course Name Medical Law and Ethics OB, GYN, Pediatric Clinical Assisting Procedures Medical Office Procedures II Anatomy and Physiology I CPR for the Professional Rescuer Standard First Aid Medical Management Computerization	Type T T G G G G	Class 3.00 3.00 2.00 3.00 1.00 1.00 3.00 16.00	<u>Lab</u> 0.00 3.00 2.00 2.00 0.00 0.00 0.00 3.00 10.00	Credit 3.00 4.00 2.00 3.00 1.00 1.00 4.00 18.00	Course Fee \$55 \$20 \$30 \$25 \$25 \$25 \$55
Third Quarter Course No.  MA 110 MA 223 BIOS 114 COMM 122 P COMM 135 MATH 108 P	Course Name Family Practice Clinical Assisting Procedures Computer Applications in Medical Assisting Anatomy and Physiology II Communications II Verbal Career Skills Introduction to Algebra	Type T T G G G G	<u>Class</u> 3.00 1.00 3.00 3.00 3.00 3.00 3.00 16.00	Lab 3.00 3.00 2.00 0.00 0.00 1.00 9.00	Credit 4.00 2.00 3.00 3.00 3.00 3.00 18.00	Course Fee \$55 \$55 \$30 \$20 \$10 \$16
Summer Quarter Course No. See your advisor regarding cour	<u>Course Name</u> rse offerings.	<u>Type</u>	Class	<u>Lab</u>	<u>Credit</u>	Course Fee
Fourth Quarter Course No. MA 200 MA 202 MA 203 PSYC 151 P	Course Name Advanced Clinical Assisting Procedures Basic Pharmacology for Medical Assistants Medical Assistant Externship I Developmental Psychology	Type T T T G	<u>Class</u> 4.00 4.00 0.00 3.00 11.00	<u>Lab</u> 3.00 0.00 13.00 <u>0.00</u> 16.00	Credit 5.00 4.00 4.00 3.00 16.00	<u>Course Fee</u> \$55 \$25 \$7
Fifth Quarter <u>Course No.</u> MA 115 MA 204 MA 222 MA 224 MA 113 MA 239	Course Name Medical Transcription Medical Assistant Externship II Medical Office Procedures III Advanced Pharmacology for Medical Assistants Nutrition for Medical Assistants Principles and Techniques of Electrocardiography (Optional)	<u>Type</u> T T T T G T	Class 2.00 0.00 3.00 3.00 4.00 0.00 12.00	Lab 4.00 13.00 3.00 0.00 0.00 2.00 20.00-22.00	Credit 3.00 4.00 4.00 3.00 4.00 1.00 18.00-19.00	Course Fee \$37 \$25 \$40 \$55
Sixth Quarter Course No.  MA 205 MA 220 MA 225 COMM 104 COMM 123 HPE •••	Course Name Medical Assistant Externship III Medical Laboratory Procedures Case Studies in Medical Assisting Job Search Techniques Communications III Health Promotion Elective (Required)	Type T T T G G G	Class 0.00 5.00 3.00 1.00 3.00 0.00 12.00	<u>Lab</u> 13.00 3.00 0.00 0.00 0.00 0.00 16.00	Credit 4.00 6.00 3.00 1.00 3.00 1.00 18.00	Course Fee \$25 \$55 \$10 \$20
Technical Credit Hours General Credit Hours Total Credit Hours	62.00-63.00 43.00 105.00-106.00					

Medical Assistant Notes: Speed development typing required for students who need to meet their Medical Assistant typing requirement (50 wpm).

Externship requirements: MA 203 Externship I: MA 100, MA 102, MA 110, MA 112, MA 120, MA 121, MA 122, OAT 100, HC 100, HC 101, HC 111, NT 104, MA 221, MA 223, MA 200 or concurrently. MA 204 Externship II: MA 202, MA 203, HC 106, HC 114. MA 205 Externship III: MA 204, prerequisites or concurrently: MA 220, MA 222.

## Medical Records/Health Information Management

For students entering June, 2002 through May, 2003

First Quarter							
Course No.		Course Name	<u>Type</u>	<u>Class</u>	<u>Lab</u>	Credit	Course Fee
HIM 100		Health Information and Health Agency	T	3.00	0.00	3.00	\$35
LUIM		Orientation	_				
HIM 110		Health Records and Procedures I	Ţ	2.00	4.00	3.00	\$35
HLTH 101 BIOS 112		Medical Terminology I	T	3.00	0.00	3.00	
BIOS 112 MICS 144		The Human Organism Introduction to Word	G	3.00	2.00	3.00	\$30
PSYC 154		Interpersonal Relationships	G G	1.00	1.00	1.00	\$30
1310 134		interpersonal netationships	U	3.00 15.00	0.00	3.00	\$7
				15.00	7.00	16.00	
Second Quarter							
Course No.		Course Name	<u>Type</u>	Class	Lab	Credit	Course Fee
HIM 112		Health Information and the Law	T	3.00	0.00	3.00	\$35
HLTH 111		Medical Terminology II	T	3.00	0.00	3.00	ΨΟΟ
BIOS 113		Anatomy and Physiology I	G	3.00	2.00	3.00	\$30
COMM 122	Р	Communications II	G	3.00	0.00	3.00	\$20
COMM 150		Punctuation and Grammar	G	2.00	0.00	2.00	\$10
MICS 141		Introduction to Excel	G	1.00	1.00	1.00	\$30
MICS 142		Introduction to Access	G	1.00	1.00	1.00	\$30
				16.00	4.00	16.00	
TI: 10 (							
Third Quarter		Constant	_				_
Course No.		Course Name	<u>Type</u>	Class	Lab	Credit	Course Fee
HIM 121		Health Records and Procedures II	T	2.00	4.00	3.00	\$35
BIOS 114	Р	Anatomy and Physiology II	G	3.00	2.00	3.00	\$30
EM 134	Ρ	Standard First Aid	G	1.00	0.00	1.00	\$25
MATH 108 B MICS 152		Introduction to Algebra for Business Advanced Access	G	3.00	1.00	3.00	\$16
PSYC 150	Р	Introduction to Psychology	G G	2.00	2.00	2.00	\$30
HPE •••	Г	Health Elective (Required)	G	3.00	0.00	3.00	\$7
111 2 333		ricaltif Elective (nequireu)	U	<u>1.00</u> 15.00	0.00	1.00	
				15.00	9.00	16.00	
Summer Quarter							
Course No.		Course Name	T	Class	<u>Lab</u>	Cundit	Course Fee
		Course maine	ivbe	Class		Crean	
See your advisor regard	ling cours		Type	Class	Lau	Credit	<u>course ree</u>
	ling cours		<u>туре</u>	Class	Lau	<u>Credit</u>	<u>Course ree</u>
See your advisor regard  Fourth Quarter	ling cours	e offerings.	туре	Class	Lau	Credit	Course ree
See your advisor regard Fourth Quarter Course No.	ling cours	e offerings. <u>Course Name</u>	<u>Type</u>	Class	<u>Lab</u>	Credit	Course Fee
See your advisor regard  Fourth Quarter  Course No.  HIM 120	ling cours	e offerings. <u>Course Name</u> Basic Coding Elements	<u>Type</u> T				
See your advisor regard  Fourth Quarter  Course No.  HIM 120  HIM 201	ling cours	Course Name Basic Coding Elements Health Information Mgt. Directed Practice I	Type T	<u>Class</u> 2.00 0.00	<u>Lab</u>	Credit	Course Fee
Fourth Quarter Course No. HIM 120 HIM 201 HIM 215	ling cours	Course Name Basic Coding Elements Health Information Mgt. Directed Practice I Interpreting Diagnostic Data	Type T T T	<u>Class</u> 2.00 0.00 2.00	<u>Lab</u> 4.00	Credit 3.00	Course Fee \$35
Fourth Quarter Course No. HIM 120 HIM 201 HIM 215 BIOS 135		Course Name Basic Coding Elements Health Information Mgt. Directed Practice I Interpreting Diagnostic Data Basics of Health and Disease	Type T T T G	<u>Class</u> 2.00 0.00 2.00 1.00	<u>Lab</u> 4.00 14.00 1.00	Credit 3.00 4.00 2.00 1.00	Course Fee \$35 \$25 \$35
Fourth Quarter Course No. HIM 120 HIM 201 HIM 215 BIOS 135 COMM 123	P	Course Name Basic Coding Elements Health Information Mgt. Directed Practice I Interpreting Diagnostic Data Basics of Health and Disease Communications III	Type T T T G G	Class 2.00 0.00 2.00 1.00 3.00	<u>Lab</u> 4.00 14.00 1.00 1.00 0.00	Credit 3.00 4.00 2.00 1.00 3.00	Course Fee \$35 \$25 \$35
Fourth Quarter Course No. HIM 120 HIM 201 HIM 215 BIOS 135 COMM 123 SOCI 169		Course Name Basic Coding Elements Health Information Mgt. Directed Practice I Interpreting Diagnostic Data Basics of Health and Disease Communications III Human Relations in Organizations	Type T T T G G G	<u>Class</u> 2.00 0.00 2.00 1.00 3.00 3.00	<u>Lab</u> 4.00 14.00 1.00 1.00 0.00 0.00	Credit 3.00 4.00 2.00 1.00 3.00 3.00	Course Fee \$35 \$25 \$35
Fourth Quarter Course No. HIM 120 HIM 201 HIM 215 BIOS 135 COMM 123	P	Course Name Basic Coding Elements Health Information Mgt. Directed Practice I Interpreting Diagnostic Data Basics of Health and Disease Communications III	Type T T T G G	Class 2.00 0.00 2.00 1.00 3.00 3.00 0.00	Lab 4.00 14.00 1.00 1.00 0.00 0.00 0.00	Credit 3.00 4.00 2.00 1.00 3.00 3.00 0.25-3.00	Course Fee \$35 \$25 \$35
Fourth Quarter Course No. HIM 120 HIM 201 HIM 215 BIOS 135 COMM 123 SOCI 169	P	Course Name Basic Coding Elements Health Information Mgt. Directed Practice I Interpreting Diagnostic Data Basics of Health and Disease Communications III Human Relations in Organizations	Type T T T G G G	<u>Class</u> 2.00 0.00 2.00 1.00 3.00 3.00	<u>Lab</u> 4.00 14.00 1.00 1.00 0.00 0.00	Credit 3.00 4.00 2.00 1.00 3.00 3.00	Course Fee \$35 \$25 \$35
Fourth Quarter Course No. HIM 120 HIM 201 HIM 215 BIOS 135 COMM 123 SOCI 169 HIM 204	P	Course Name Basic Coding Elements Health Information Mgt. Directed Practice I Interpreting Diagnostic Data Basics of Health and Disease Communications III Human Relations in Organizations	Type T T T G G G	Class 2.00 0.00 2.00 1.00 3.00 3.00 0.00	Lab 4.00 14.00 1.00 1.00 0.00 0.00 0.00	Credit 3.00 4.00 2.00 1.00 3.00 3.00 0.25-3.00	Course Fee \$35 \$25 \$35
Fourth Quarter Course No.  HIM 120 HIM 201 HIM 215 BIOS 135 COMM 123 SOCI 169 HIM 204  Fifth Quarter	P	Course Name Basic Coding Elements Health Information Mgt. Directed Practice I Interpreting Diagnostic Data Basics of Health and Disease Communications III Human Relations in Organizations Current Topics in HIM (Optional)	Type T T T G G G	Class 2.00 0.00 2.00 1.00 3.00 3.00 0.00 11.00	<u>Lab</u> 4.00 14.00 1.00 1.00 0.00 0.00 0.00 20.00	Credit 3.00 4.00 2.00 1.00 3.00 3.00 0.25-3.00 16.00-19.00	Course Fee \$35 \$25 \$35 \$35 \$20 \$7
Fourth Quarter Course No. HIM 120 HIM 201 HIM 215 BIOS 135 COMM 123 SOCI 169 HIM 204  Fifth Quarter Course No.	P	Course Name Basic Coding Elements Health Information Mgt. Directed Practice I Interpreting Diagnostic Data Basics of Health and Disease Communications III Human Relations in Organizations Current Topics in HIM (Optional)	Type T T G G T T	Class 2.00 0.00 2.00 1.00 3.00 3.00 0.00 11.00	Lab 4.00 14.00 1.00 1.00 0.00 0.00 0.00 20.00	Credit 3.00 4.00 2.00 1.00 3.00 3.00 0.25-3.00 16.00-19.00  Credit	Course Fee \$35 \$25 \$35 \$35 \$20 \$7
Fourth Quarter Course No. HIM 120 HIM 201 HIM 215 BIOS 135 COMM 123 SOCI 169 HIM 204  Fifth Quarter Course No. HIM 200	P	Course Name Basic Coding Elements Health Information Mgt. Directed Practice I Interpreting Diagnostic Data Basics of Health and Disease Communications III Human Relations in Organizations Current Topics in HIM (Optional)	Type T T T G G G T T	Class 2.00 0.00 2.00 1.00 3.00 3.00 0.00 11.00	Lab 4.00 14.00 1.00 1.00 0.00 0.00 0.00 20.00 Lab 3.00	Credit 3.00 4.00 2.00 1.00 3.00 3.00 0.25-3.00 16.00-19.00  Credit 3.00	Course Fee \$35 \$25 \$35 \$20 \$7
Fourth Quarter Course No. HIM 120 HIM 201 HIM 215 BIOS 135 COMM 123 SOCI 169 HIM 204  Fifth Quarter Course No. HIM 200 HIM 200 HIM 200	P	Course Name Basic Coding Elements Health Information Mgt. Directed Practice I Interpreting Diagnostic Data Basics of Health and Disease Communications III Human Relations in Organizations Current Topics in HIM (Optional)  Course Name Health Statistics Applied Concepts of Coding	Type T T T G G T T T	Class 2.00 0.00 2.00 1.00 3.00 0.00 11.00 Class 2.00 2.00	Lab 4.00 14.00 1.00 1.00 0.00 0.00 0.00 20.00 Lab 3.00 4.00	Credit 3.00 4.00 2.00 1.00 3.00 3.00 0.25-3.00 16.00-19.00  Credit 3.00 3.00	Course Fee \$35 \$25 \$35 \$20 \$7 Course Fee \$35 \$35
Fourth Quarter Course No. HIM 120 HIM 201 HIM 215 BIOS 135 COMM 123 SOCI 169 HIM 204  Fifth Quarter Course No. HIM 200 HIM 200 HIM 203 HIM 203 HIM 210	P	Course Name Basic Coding Elements Health Information Mgt. Directed Practice I Interpreting Diagnostic Data Basics of Health and Disease Communications III Human Relations in Organizations Current Topics in HIM (Optional)  Course Name Health Statistics Applied Concepts of Coding Healthcare Reimbursement Methodologies	Type T T G G G T T T T T T T T T T T T T T	Class 2.00 0.00 2.00 1.00 3.00 3.00 0.00 11.00 Class 2.00 2.00 1.00	Lab 4.00 14.00 1.00 1.00 0.00 0.00 20.00 Lab 3.00 4.00 2.00	Credit 3.00 4.00 2.00 1.00 3.00 0.25-3.00 16.00-19.00  Credit 3.00 3.00 2.00	Course Fee \$35 \$25 \$35 \$20 \$7 Course Fee \$35 \$35 \$35
Fourth Quarter Course No. HIM 120 HIM 201 HIM 215 BIOS 135 COMM 123 SOCI 169 HIM 204  Fifth Quarter Course No. HIM 200 HIM 203 HIM 203 HIM 203 HIM 210 HIM 211	P	Course Name Basic Coding Elements Health Information Mgt. Directed Practice I Interpreting Diagnostic Data Basics of Health and Disease Communications III Human Relations in Organizations Current Topics in HIM (Optional)  Course Name Health Statistics Applied Concepts of Coding Healthcare Reimbursement Methodologies Health Information Mgt. Directed Practice II	Type T G G G T T T T T T T T T T T T T T T	Class 2.00 0.00 2.00 1.00 3.00 0.00 11.00 Class 2.00 2.00 1.00 0.00	Lab 4.00 1.00 1.00 0.00 0.00 0.00 20.00 Lab 3.00 4.00 2.00 14.00	Credit 3.00 4.00 2.00 1.00 3.00 3.00 0.25-3.00 16.00-19.00  Credit 3.00 3.00 2.00 4.00	Course Fee \$35 \$25 \$35 \$20 \$7 Course Fee \$35 \$35
Fourth Quarter Course No. HIM 120 HIM 201 HIM 215 BIOS 135 COMM 123 SOCI 169 HIM 204  Fifth Quarter Course No. HIM 200 HIM 200 HIM 203 HIM 203 HIM 210	P	Course Name Basic Coding Elements Health Information Mgt. Directed Practice I Interpreting Diagnostic Data Basics of Health and Disease Communications III Human Relations in Organizations Current Topics in HIM (Optional)  Course Name Health Statistics Applied Concepts of Coding Healthcare Reimbursement Methodologies	Type T T G G G T T T T T T T T T T T T T	Class 2.00 0.00 2.00 1.00 3.00 0.00 11.00 Class 2.00 2.00 1.00 0.00 2.00	Lab 4.00 1.00 1.00 0.00 0.00 0.00 20.00 Lab 3.00 4.00 2.00 14.00 0.00	Credit 3.00 4.00 2.00 1.00 3.00 3.00 0.25-3.00 16.00-19.00  Credit 3.00 3.00 2.00 4.00 2.00	Course Fee \$35 \$25 \$35 \$20 \$7  Course Fee \$35 \$35 \$35 \$35 \$35
Fourth Quarter Course No.  HIM 120 HIM 201 HIM 215 BIOS 135 COMM 123 SOCI 169 HIM 204  Fifth Quarter Course No. HIM 200 HIM 200 HIM 200 HIM 200 HIM 210 HIM 210 HIM 211 HIM 212	P	Course Name Basic Coding Elements Health Information Mgt. Directed Practice I Interpreting Diagnostic Data Basics of Health and Disease Communications III Human Relations in Organizations Current Topics in HIM (Optional)  Course Name Health Statistics Applied Concepts of Coding Healthcare Reimbursement Methodologies Health Information Mgt. Directed Practice II Health Information Management Quality Control	Type T G G G T T T T T T T T T T T T T T T	Class 2.00 0.00 2.00 1.00 3.00 0.00 11.00 Class 2.00 2.00 1.00 0.00	Lab 4.00 1.00 1.00 0.00 0.00 0.00 20.00 Lab 3.00 4.00 2.00 14.00	Credit 3.00 4.00 2.00 1.00 3.00 3.00 0.25-3.00 16.00-19.00  Credit 3.00 3.00 2.00 4.00	Course Fee \$35 \$25 \$35 \$20 \$7 Course Fee \$35 \$35 \$35
Fourth Quarter Course No.  HIM 120 HIM 201 HIM 215 BIOS 135 COMM 123 SOCI 169 HIM 204  Fifth Quarter Course No. HIM 200 HIM 203 HIM 203 HIM 200 HIM 210 HIM 211 HIM 212 COMM 135	P	Course Name Basic Coding Elements Health Information Mgt. Directed Practice I Interpreting Diagnostic Data Basics of Health and Disease Communications III Human Relations in Organizations Current Topics in HIM (Optional)  Course Name Health Statistics Applied Concepts of Coding Healthcare Reimbursement Methodologies Health Information Mgt. Directed Practice II Health Information Management Quality Control	Type T T G G G T T T T T T T T T T T T T	Class 2.00 0.00 2.00 1.00 3.00 3.00 0.00 11.00 Class 2.00 2.00 1.00 0.00 2.00 3.00	Lab 4.00 1.00 1.00 0.00 0.00 0.00 20.00 Lab 3.00 4.00 2.00 14.00 0.00 0.00	Credit 3.00 4.00 2.00 1.00 3.00 3.00 0.25-3.00 16.00-19.00  Credit 3.00 2.00 4.00 2.00 3.00	Course Fee \$35 \$25 \$35 \$20 \$7  Course Fee \$35 \$35 \$35 \$35 \$35
Fourth Quarter Course No.  HIM 120 HIM 201 HIM 215 BIOS 135 COMM 123 SOCI 169 HIM 204  Fifth Quarter Course No. HIM 200 HIM 203 HIM 203 HIM 210 HIM 211 HIM 212 COMM 135	P	Course Name Basic Coding Elements Health Information Mgt. Directed Practice I Interpreting Diagnostic Data Basics of Health and Disease Communications III Human Relations in Organizations Current Topics in HIM (Optional)  Course Name Health Statistics Applied Concepts of Coding Healthcare Reimbursement Methodologies Health Information Mgt. Directed Practice II Health Information Management Quality Control Verbal Career Skills	Type T T G G G T T T T T T T T T T T T T T	Class 2.00 0.00 2.00 1.00 3.00 3.00 0.00 11.00 Class 2.00 2.00 1.00 0.00 2.00 1.00	Lab 4.00 1.00 1.00 0.00 0.00 20.00 20.00 Lab 3.00 4.00 2.00 14.00 0.00 0.00 23.00	Credit 3.00 4.00 2.00 1.00 3.00 0.25-3.00 16.00-19.00  Credit 3.00 3.00 2.00 4.00 2.00 4.00 2.00 3.00 17.00	Course Fee \$35 \$25 \$35 \$20 \$7  Course Fee \$35 \$35 \$25 \$10
Fourth Quarter Course No. HIM 120 HIM 201 HIM 215 BIOS 135 COMM 123 SOCI 169 HIM 204  Fifth Quarter Course No. HIM 203 HIM 203 HIM 203 HIM 210 HIM 211 HIM 212 COMM 135  Sixth Quarter Course No.	P	Course Name Basic Coding Elements Health Information Mgt. Directed Practice I Interpreting Diagnostic Data Basics of Health and Disease Communications III Human Relations in Organizations Current Topics in HIM (Optional)  Course Name Health Statistics Applied Concepts of Coding Healthcare Reimbursement Methodologies Health Information Mgt. Directed Practice II Health Information Management Quality Control Verbal Career Skills	Type T T G G G T T Type T T T G T T T T T T T T T T T	Class 2.00 0.00 2.00 1.00 3.00 3.00 0.00 11.00  Class 2.00 2.00 1.00 0.00 2.00 1.00 Class	Lab 4.00 1.00 1.00 0.00 0.00 0.00 20.00 20.00 Lab 3.00 4.00 2.00 14.00 0.00 0.00 23.00	Credit 3.00 4.00 2.00 1.00 3.00 3.00 0.25-3.00 16.00-19.00  Credit 3.00 2.00 4.00 2.00 3.00 17.00	Course Fee \$35 \$25 \$35 \$20 \$7  Course Fee \$35 \$35 \$35 \$35 \$35 \$35 \$10
Fourth Quarter Course No.  HIM 120 HIM 201 HIM 215 BIOS 135 COMM 123 SOCI 169 HIM 204  Fifth Quarter Course No. HIM 200 HIM 200 HIM 201 HIM 210 HIM 210 HIM 211 HIM 212 COMM 135  Sixth Quarter Course No. HIM 212 COMM 135	P	Course Name Basic Coding Elements Health Information Mgt. Directed Practice I Interpreting Diagnostic Data Basics of Health and Disease Communications III Human Relations in Organizations Current Topics in HIM (Optional)  Course Name Health Statistics Applied Concepts of Coding Healthcare Reimbursement Methodologies Health Information Mgt. Directed Practice II Health Information Management Quality Control Verbal Career Skills  Course Name Planning for Health Information Services	Type T T G G G T T T T T T T T T T T T T T	Class 2.00 0.00 2.00 1.00 3.00 3.00 0.00 11.00  Class 2.00 1.00 0.00 2.00 3.00 1.00 0.00 2.00 3.00 10.00	Lab 4.00 1.00 1.00 0.00 0.00 0.00 20.00 Lab 3.00 4.00 2.00 14.00 0.00 0.00 23.00	Credit 3.00 4.00 2.00 1.00 3.00 3.00 0.25-3.00 16.00-19.00  Credit 3.00 2.00 4.00 2.00 3.00 17.00  Credit 3.00	Course Fee \$35 \$25 \$35 \$20 \$7  Course Fee \$35 \$35 \$35 \$35 \$35 \$35 \$35 \$35 \$35 \$25 \$10
Fourth Quarter Course No. HIM 201 HIM 215 BIOS 135 COMM 123 SOCI 169 HIM 204 Fifth Quarter Course No. HIM 200 HIM 203 HIM 210 HIM 211 HIM 211 COMM 135 Sixth Quarter Course No. HIM 212 COMM 135 Sixth Quarter Course No. HIM 212 HIM 212 HIM 212 COMM 135 Sixth Quarter Course No. HIM 220 HIM 220 HIM 221 HIM 221	P	Course Name Basic Coding Elements Health Information Mgt. Directed Practice I Interpreting Diagnostic Data Basics of Health and Disease Communications III Human Relations in Organizations Current Topics in HIM (Optional)  Course Name Health Statistics Applied Concepts of Coding Healthcare Reimbursement Methodologies Health Information Mgt. Directed Practice II Health Information Management Quality Control Verbal Career Skills  Course Name Planning for Health Information Services Health Information Mgt. Directed Practice III	Type T T G G G T T T T T T T T T T T T T T	Class 2.00 0.00 2.00 1.00 3.00 0.00 11.00  Class 2.00 2.00 1.00 0.00 2.00 1.00 0.00 2.00 0.00 0	Lab 4.00 14.00 1.00 1.00 0.00 0.00 20.00 20.00 Lab 3.00 4.00 2.00 14.00 0.00 23.00 Lab 0.00 14.00	Credit 3.00 4.00 2.00 1.00 3.00 0.25-3.00 16.00-19.00  Credit 3.00 3.00 2.00 4.00 2.00 4.00 2.00 0.25-3.00 17.00	Course Fee \$35 \$25 \$35 \$20 \$7  Course Fee \$35 \$35 \$35 \$35 \$35 \$25 \$10
Fourth Quarter Course No. HIM 201 HIM 215 BIOS 135 COMM 123 SOCI 169 HIM 204 Fifth Quarter Course No. HIM 200 HIM 203 HIM 211 HIM 212 COMM 135 Sixth Quarter Course No. HIM 211 HIM 212 COMM 135 Sixth Quarter Course No. HIM 221 HIM 221 HIM 221 HIM 221 HIM 222 HIM 222	P	Course Name Basic Coding Elements Health Information Mgt. Directed Practice I Interpreting Diagnostic Data Basics of Health and Disease Communications III Human Relations in Organizations Current Topics in HIM (Optional)  Course Name Health Statistics Applied Concepts of Coding Healthcare Reimbursement Methodologies Health Information Mgt. Directed Practice II Health Information Management Quality Control Verbal Career Skills  Course Name Planning for Health Information Services Health Information Mgt. Directed Practice III CPT Coding	Type T T G G G T T T T T G T T T T T T T T	Class 2.00 0.00 2.00 1.00 3.00 3.00 0.00 11.00 Class 2.00 2.00 1.00 0.00 2.00 3.00 10.00	Lab 4.00 1.00 1.00 0.00 0.00 20.00 20.00 Lab 3.00 4.00 2.00 14.00 0.00 0.00 23.00	Credit 3.00 4.00 2.00 1.00 3.00 0.25-3.00 16.00-19.00  Credit 3.00 2.00 4.00 2.00 17.00  Credit 3.00 3.00 0.25-3.00	Course Fee \$35 \$25 \$35 \$20 \$7  Course Fee \$35 \$35 \$35 \$35 \$35 \$35 \$35 \$35 \$35 \$25 \$10
Fourth Quarter Course No.  HIM 120 HIM 201 HIM 215 BIOS 135 COMM 123 SOCI 169 HIM 204  Fifth Quarter Course No. HIM 200 HIM 203 HIM 210 HIM 211 HIM 212 COMM 135  Sixth Quarter Course No. HIM 211 HIM 212 HIM 212 HIM 212 HIM 222 HIM 223	P	Course Name Basic Coding Elements Health Information Mgt. Directed Practice I Interpreting Diagnostic Data Basics of Health and Disease Communications III Human Relations in Organizations Current Topics in HIM (Optional)  Course Name Health Statistics Applied Concepts of Coding Healthcare Reimbursement Methodologies Health Information Mgt. Directed Practice II Health Information Management Quality Control Verbal Career Skills  Course Name Planning for Health Information Services Health Information Mgt. Directed Practice III CPT Coding Personnel Supervision	Type T T G G G T T T T T T T T T T T T T T	Class 2.00 0.00 2.00 1.00 3.00 3.00 0.00 11.00  Class 2.00 1.00 0.00 2.00 3.00 10.00  Class 3.00 0.00 3.00 3.00 3.00 3.00 3.00	Lab 4.00 1.00 1.00 0.00 0.00 0.00 20.00 20.00 Lab 3.00 4.00 2.00 14.00 0.00 0.00 23.00 Lab 0.00 14.00 0.00 0.00	Credit 3.00 4.00 2.00 1.00 3.00 0.25-3.00 16.00-19.00  Credit 3.00 2.00 4.00 2.00 4.00 2.00 17.00  Credit 3.00 3.00 17.00	Course Fee \$35 \$25 \$35 \$20 \$7  Course Fee \$35 \$35 \$25 \$10  Course Fee \$35 \$25 \$10
Fourth Quarter Course No. HIM 201 HIM 215 BIOS 135 COMM 123 SOCI 169 HIM 204 Fifth Quarter Course No. HIM 200 HIM 203 HIM 211 HIM 212 COMM 135 Sixth Quarter Course No. HIM 211 HIM 212 COMM 135 Sixth Quarter Course No. HIM 221 HIM 221 HIM 221 HIM 221 HIM 222 HIM 222	P	Course Name Basic Coding Elements Health Information Mgt. Directed Practice I Interpreting Diagnostic Data Basics of Health and Disease Communications III Human Relations in Organizations Current Topics in HIM (Optional)  Course Name Health Statistics Applied Concepts of Coding Healthcare Reimbursement Methodologies Health Information Mgt. Directed Practice II Health Information Management Quality Control Verbal Career Skills  Course Name Planning for Health Information Services Health Information Mgt. Directed Practice III CPT Coding	Type T T G G G T T T T T G T T T T T T T T	Class 2.00 0.00 2.00 1.00 3.00 3.00 0.00 11.00  Class 2.00 2.00 1.00 0.00 2.00 10.00  Class 3.00 10.00  Class 3.00 10.00	Lab 4.00 1.00 1.00 0.00 0.00 0.00 20.00 20.00 Lab 3.00 4.00 2.00 14.00 0.00 23.00 Lab 0.00 14.00 0.00 14.00 0.00 0.00	Credit 3.00 4.00 2.00 1.00 3.00 0.25-3.00 16.00-19.00  Credit 3.00 2.00 4.00 2.00 4.00 2.00 17.00  Credit 3.00 4.00 3.00 17.00	Course Fee \$35 \$25 \$35 \$20 \$7  Course Fee \$35 \$35 \$35 \$35 \$35 \$25 \$10
Fourth Quarter Course No.  HIM 120 HIM 201 HIM 215 BIOS 135 COMM 123 SOCI 169 HIM 204  Fifth Quarter Course No. HIM 200 HIM 203 HIM 210 HIM 211 HIM 212 COMM 135  Sixth Quarter Course No. HIM 211 HIM 212 HIM 212 HIM 212 HIM 222 HIM 223	P	Course Name Basic Coding Elements Health Information Mgt. Directed Practice I Interpreting Diagnostic Data Basics of Health and Disease Communications III Human Relations in Organizations Current Topics in HIM (Optional)  Course Name Health Statistics Applied Concepts of Coding Healthcare Reimbursement Methodologies Health Information Mgt. Directed Practice II Health Information Management Quality Control Verbal Career Skills  Course Name Planning for Health Information Services Health Information Mgt. Directed Practice III CPT Coding Personnel Supervision	Type T T G G G T T T T T T T T T T T T T T	Class 2.00 0.00 2.00 1.00 3.00 3.00 0.00 11.00  Class 2.00 1.00 0.00 2.00 3.00 10.00  Class 3.00 0.00 3.00 3.00 3.00 3.00 3.00	Lab 4.00 1.00 1.00 0.00 0.00 0.00 20.00 20.00 Lab 3.00 4.00 2.00 14.00 0.00 0.00 23.00 Lab 0.00 14.00 0.00 0.00	Credit 3.00 4.00 2.00 1.00 3.00 0.25-3.00 16.00-19.00  Credit 3.00 2.00 4.00 2.00 4.00 2.00 17.00  Credit 3.00 3.00 17.00	Course Fee \$35 \$25 \$35 \$20 \$7  Course Fee \$35 \$35 \$25 \$10  Course Fee \$35 \$25 \$10
Fourth Quarter Course No.  HIM 120 HIM 201 HIM 215 BIOS 135 COMM 123 SOCI 169 HIM 204  Fifth Quarter Course No. HIM 200 HIM 203 HIM 210 HIM 211 HIM 212 COMM 135  Sixth Quarter Course No. HIM 211 HIM 212 HIM 212 HIM 212 HIM 222 HIM 223	P	Course Name Basic Coding Elements Health Information Mgt. Directed Practice I Interpreting Diagnostic Data Basics of Health and Disease Communications III Human Relations in Organizations Current Topics in HIM (Optional)  Course Name Health Statistics Applied Concepts of Coding Healthcare Reimbursement Methodologies Health Information Mgt. Directed Practice II Health Information Management Quality Control Verbal Career Skills  Course Name Planning for Health Information Services Health Information Mgt. Directed Practice III CPT Coding Personnel Supervision	Type T T G G G T T T T T T T T T T T T T T	Class 2.00 0.00 2.00 1.00 3.00 3.00 0.00 11.00  Class 2.00 2.00 1.00 0.00 2.00 10.00  Class 3.00 10.00  Class 3.00 10.00	Lab 4.00 1.00 1.00 0.00 0.00 0.00 20.00 20.00 Lab 3.00 4.00 2.00 14.00 0.00 23.00 Lab 0.00 14.00 0.00 14.00 0.00 0.00	Credit 3.00 4.00 2.00 1.00 3.00 0.25-3.00 16.00-19.00  Credit 3.00 2.00 4.00 2.00 4.00 2.00 17.00  Credit 3.00 4.00 3.00 17.00	Course Fee \$35 \$25 \$35 \$20 \$7  Course Fee \$35 \$35 \$25 \$10  Course Fee \$35 \$25 \$10
Fourth Quarter Course No. HIM 201 HIM 215 BIOS 135 COMM 123 SOCI 169 HIM 204  Fifth Quarter Course No. HIM 200 HIM 201 HIM 211 HIM 212 COMM 135  Sixth Quarter Course No. HIM 211 HIM 212 COMM 135	P	Course Name Basic Coding Elements Health Information Mgt. Directed Practice I Interpreting Diagnostic Data Basics of Health and Disease Communications III Human Relations in Organizations Current Topics in HIM (Optional)  Course Name Health Statistics Applied Concepts of Coding Healthcare Reimbursement Methodologies Health Information Mgt. Directed Practice II Health Information Management Quality Control Verbal Career Skills  Course Name Planning for Health Information Services Health Information Mgt. Directed Practice III CPT Coding Personnel Supervision Job Search Techniques	Type T T G G G T T T T T T T T T T T T T T	Class 2.00 0.00 2.00 1.00 3.00 3.00 0.00 11.00  Class 2.00 2.00 1.00 0.00 2.00 10.00  Class 3.00 10.00  Class 3.00 10.00	Lab 4.00 1.00 1.00 0.00 0.00 0.00 20.00 20.00 Lab 3.00 4.00 2.00 14.00 0.00 23.00 Lab 0.00 14.00 0.00 14.00 0.00 0.00	Credit 3.00 4.00 2.00 1.00 3.00 0.25-3.00 16.00-19.00  Credit 3.00 2.00 4.00 2.00 4.00 2.00 17.00  Credit 3.00 4.00 3.00 17.00	Course Fee \$35 \$25 \$35 \$20 \$7  Course Fee \$35 \$35 \$25 \$10  Course Fee \$35 \$25 \$10
Fourth Quarter Course No. HIM 201 HIM 215 BIOS 135 COMM 123 SOCI 169 HIM 204 Fifth Quarter Course No. HIM 200 HIM 203 HIM 210 HIM 211 HIM 212 COMM 135 Sixth Quarter Course No. HIM 211 HIM 212 COMM 135 Sixth Quarter Course No. HIM 220 HIM 221 HIM 221 HIM 222 HIM 223 COMM 104 Technical Credit Hours	P	Course Name Basic Coding Elements Health Information Mgt. Directed Practice I Interpreting Diagnostic Data Basics of Health and Disease Communications III Human Relations in Organizations Current Topics in HIM (Optional)  Course Name Health Statistics Applied Concepts of Coding Health Career Seimbursement Methodologies Health Information Mgt. Directed Practice II Health Information Management Quality Control Verbal Career Skills  Course Name Planning for Health Information Services Health Information Mgt. Directed Practice III CPT Coding Personnel Supervision Job Search Techniques	Type T T G G G T T T T T T T T T T T T T T	Class 2.00 0.00 2.00 1.00 3.00 3.00 0.00 11.00  Class 2.00 2.00 1.00 0.00 2.00 10.00  Class 3.00 10.00  Class 3.00 10.00	Lab 4.00 1.00 1.00 0.00 0.00 0.00 20.00 20.00 Lab 3.00 4.00 2.00 14.00 0.00 23.00 Lab 0.00 14.00 0.00 14.00 0.00 0.00	Credit 3.00 4.00 2.00 1.00 3.00 0.25-3.00 16.00-19.00  Credit 3.00 2.00 4.00 2.00 4.00 2.00 17.00  Credit 3.00 4.00 3.00 17.00	Course Fee \$35 \$25 \$35 \$20 \$7  Course Fee \$35 \$35 \$25 \$10  Course Fee \$35 \$25 \$10

## Nursing Level I – Practical Nursing For students entering June, 2002 through May, 2003

First Qu Course M NT NT NT BIOS NT MATH	No. 100 101 102 112 103 104	P P	Course Name Fundamentals and Gerontological Nursing Nursing Clinical Experience I Nursing Dynamics I The Human Organism Nutrients Pharmacology Math or Clinical Math Skills	Type T T T G G G	Class 3.00 0.00 1.00 3.00 1.00 1.00	Lab 0.00 13.00 1.00 2.00 0.00 1.00	Credit 3.00 4.00 1.00 3.00 1.00 1.00	Course Fee \$10 \$100 \$30 \$10
NT PSYC	105 150	Р	Nursing Charting Skills (Optional) Introduction to Psychology (Required) *	T G	1.00 3.00	0.00 0.00	1.00 <u>3.00</u>	\$20 \$7
	, 00	,	madaacton to referrology (nequirea)	G	12.00-13.00	17.00	16.00-17.00	\$7
Second (								
Course N			Course Name	Type	<u>Class</u>	<u>Lab</u>	Credit	Course Fee
NT	110		Fundamentals of Maternal-Newborn Nursing	T	3.00	0.00	3.00	\$10
NT	111		Nursing Clinical Experience II	T	0.00	13.00	4.00	\$100
NT	112		Nursing Dynamics II	T	1.00	1.00	1.00	
NT	114		Pharmacology Introduction and Drug Administration	T	1.00	0.00	1.00	
BIOS	113		Anatomy and Physiology I	G	3.00	2.00	3.00	\$30
BIOS	135		Basics of Health and Disease	G	1.00	1.00	1.00	+
NT	113	Р	Lifespan Nutrition	G	1.00	0.00	1.00	
					10.00	17.00	14.00	
Third Qu	arter							
Course N			Course Name	Type	Class	Lab	Credit	Course Fee
NT	120		Nursing of the Adult	T	3.00	0.00	3.00	\$10
NT	121		Nursing Clinical Experience III	Ť	0.00	13.00	4.00	\$100
NT	122		Nursing Dynamics III	Ť	1.00	0.00	1.00	Ψ100
NT	123	Р	Nutritional Care I	Ť	1.00	0.00	1.00	
NT	124		Pharmacology Drug Classification I	Ť	1.00	1.00	1.00	
BIOS	114		Anatomy and Physiology II	G	3.00	2.00	3.00	\$30
PSYC	151	Р	Developmental Psychology (Required) *	G	3.00	0.00	3.00	\$7
			, , , , , , , , , , , , , , , , , , , ,		12.00	16.00	16.00	Ψ,
Fourth C	luarter							
Course N			Course Name	Type	Class	Lab	Credit	Course Fee
NT	130		Nursing of the Adult and Child	T	3.00	0.00	3.00	\$20
NT	131		Nursing Clinical Experience IV	Ť	0.00	13.00	4.00	\$110
NT	132		Nursing Dynamics IV	Ť	1.00	0.00	1.00	ψ110
NT	134		Pharmacology Drug Classification II	Ť	1.00	1.00	1.00	
COMM	122	Р	Communications II	Ġ	3.00	0.00	3.00	\$20
NT	133	P	Nutrition Economics	Ğ	1.00	0.00	1.00	4-0
PSYC	152		Abnormal Psychology (Required) *	Ğ	3.00	0.00	3.00	\$7
			, 3, (,		12.00	14.00	16.00	w. r
Level I Te	chnical Credit	Hours	36.00-37.00					

Level I Technical Credit Hours 36.00-37.00
Level I General Credit Hours 26.00
Level I Total Credit Hours 62.00-63.00

Course Fee

## Nursing Level II - Associate Degree

Course Name

For students entering June, 2002 through May, 2003

Enrichment Quarter Course No.

Enric	140 140 142 143 144 146 147 chment Technica chment Total Cre	Credit Hour		T T T T T T T	3.00 4.00 1.00 1.00 2.00 2.00 2.00 15.00	1.00 4.00 1.00 0.00 0.00 0.00 0.00 6.00	3.00 5.00 1.00 1.00 2.00 2.00 2.00 2.00 16.00	\$70
Leve	I II (RN)							
	202		Course Name Mental Health Nursing Nursing Clinical Experience V Pathophysiology for Nurses Role Transition LPN to RN Introduction to Algebra for Health (Required) **	Type T T G G G	Class 3.00 0.00 3.00 1.00 3.00 10.00	Lab 1.00 9.00 1.00 0.00 1.00 12.00	Credit 3.00 3.00 3.00 1.00 3.00 13.00	<u>Course Fee</u> \$10 \$85
	160 161 165	Р	Course Name Advanced Nursing of the Adult I Nursing Clinical Experience VI Nutritional Care II Communications III (Required) ** Introduction to Sociology ** or Sociology of Family Living ** or Cross Cultural Studies ** Stress and Stress Management or Health Elective Nursing Elective (Optional)	Type T T G G G G G T	Class 3.00 0.00 1.00 3.00 3.00 3.00 3.00 1.00	Lab 0.00 16.00 0.00 0.00 0.00 0.00 0.00 0.0	Credit 3.00 5.00 1.00 3.00 3.00 3.00 3.00 1.00 1.00 1	Course Fee \$10 \$110 \$20 \$7 \$7 \$7
Seve	enth Quarter rse No. 215 220 221 222 225 IM 130		Course Name Leadership in Nursing Advanced Nursing of the Adult II Nursing Clinical Experience VII Nursing Dynamics V Advanced Maternal and Child Nursing Speech (Required) ** Community Health (Required) **	Type T T T T T G G	11.00  Class 1.00 3.00 0.00 1.00 1.00 3.00 2.00 11.00	16.00  Lab 1.00 1.00 15.00 1.00 1.00 0.00 0.00 19.00	Credit 1.00 3.00 1.00 1.00 3.00 2.00 1.00	Course Fee \$20 \$90 \$10

Type

Class

<u>Lab</u>

Credit

## Level II Total Credit Hours 45.00-48.00

Level II Technical Credit Hours

Level II General Credit Hours

Nursing Career Ladder Notes

\* These courses are not included in some practical nursing programs. They may be taken prior to enrollment. If not, they must be taken in addition to second year work. Introduction to Psychology will be scheduled with the Enrichment Quarter. Abnormal Psychology and Communications II will be scheduled in the fifth quarter. Developmental Psychology will be scheduled in the sixth quarter.

26.00

College Algebra | for Health (MATH 108 H) must be completed prior to NT 210. Students may take Algebra | (MATH 108) and Pharmacology Math (MATH 104) or Algebra | (MATH 108) and Clinical Math Skills (NT 106) as a substitute for MATH 108 H. Students placing in MATH 101 and/or MATH 102 are required to complete those courses prior to enrollment in MATH 108 H.

Annual certification in CPR for the heath professional is a prerequisite for all clinical courses starting with NT 111 and NT 201. This certification may be obtained through Hocking College course EM 133 (CPR for the Professional Rescuer), Red Cross or American Heart Association (Course C) or the National Safety Council Green Cross Certification.

LPNs may have credit for Sociology of Family and Community Health from their PN programs and should check with the Associate Dean before registering.

Credit by advanced standing or transfer credit will be assigned after successful completion of all Enrichment courses and enrollment in Quarter 5.

<sup>\*\*</sup> These courses may be taken prior to entering the Enrichment Quarter.

## **Nutrition and Dietetics**

For students entering June, 2002 through May, 2003

First Our								
riist Qu	arter							
Course N			Course Name	Type	Class	Lab	Credit	Course Fee
DT	100	Р	Survey of Dietetics	TYPE	2.00	0.00	2.00	Course ree
DT	101	,	Dietetic Directed Practice I	Ť				<b></b>
DT	102	Р	Basic Nutrition		1.00	7.00	2.00	\$30
				T	5.00	0.00	5.00	\$10
COMM	122	Р	Communications II	G	3.00	0.00	3.00	\$20
HOTR	110		Quality Sanitation Management	G	2.00	1.00	2.00	
OAT	180	Р	Keyboarding	G	1.00	1.00	1.00	\$25
MATH	108	P	Introduction to Algebra	G	3.00	1.00	3.00	\$16
			or					4.5
MATH	108 B		Introduction to Algebra for Business	G	3.00	1.00	3.00	\$16
				Ü	17.00	10.00	18.00	\$10
					17.00	10.00	10.00	
Second (	Duartar							
			Causes Name	T	01			_ =
Course N			Course Name	Type	<u>Class</u>	<u>Lab</u>	<u>Credit</u>	Course Fee
DT	103		Food Preparation Principles	T	2.00	4.00	3.00	\$30
DT	106		Food Production Management	T	3.00	0.00	3.00	
DT	111		Dietetic Directed Practice II	T	1.00	7.00	2.00	\$35
DT	120	Р	Normal and Modified Menu Planning	T	3.00	0.00	3.00	400
BIOS	112		The Human Organism	G	3.00	2.00	3.00	\$30
0.00			The Trainan Organism	o	12.00	13.00	14.00	φ30
					12.00	13.00	14.00	
Third Qu	ortor.							
			Causa Nama	-	01			
Course N		_	Course Name	Type	<u>Class</u>	<u>Lab</u>	Credit	Course Fee
DT	110	Р	Applied Nutrition	T	3.00	0.00	3.00	\$10
DT	119		Food Purchasing for Health Care Institutions	T	3.00	0.00	3.00	
DT	121		Dietetic Directed Practice III	T	1.00	7.00	2.00	\$35
DT	122		Supervision in Dietetics	T	3.00	0.00	3.00	***
COMM	123	Р	Communications III	G	3.00	0.00	3.00	\$20
HLTH	101		Medical Terminology I	G	3.00	0.00		\$20
HEHH	101		Wedicar reminiology i	d			3.00	
					16.00	7.00	17.00	
Summer								
Course N			Course Name	Type	<u>Class</u>	<u>Lab</u>	<u>Credit</u>	Course Fee
See your	advisor regard	ing cour	se offerings.					
Fourth Q	luarter							
Course N			Course Name	Type	Class	Lab	Credit	Course Fee
Course	101		course manne	TYPC	Class	Lau	Cicuit	Course ree
DT	200	D.	Diet Therapy I	T		0.00	2.00	
DT	200	P	Diet Therapy I	Ţ	3.00	0.00	3.00	
DT	202	P P	Nutrition Care Process	T	3.00 3.00	0.00	3.00	
DT DT	202 205		Nutrition Care Process Dietetic Directed Practice IV	T T	3.00 3.00 1.00	0.00 7.00	3.00 2.00	\$30
DT DT BIOS	202 205 113		Nutrition Care Process Dietetic Directed Practice IV Anatomy and Physiology I	T T G	3.00 3.00	0.00	3.00	\$30 \$30
DT DT	202 205		Nutrition Care Process Dietetic Directed Practice IV	T T	3.00 3.00 1.00	0.00 7.00	3.00 2.00	
DT DT BIOS	202 205 113		Nutrition Care Process Dietetic Directed Practice IV Anatomy and Physiology I Speech Microsoft Office	T T G	3.00 3.00 1.00 3.00	0.00 7.00 2.00	3.00 2.00 3.00 3.00	\$30 \$10
DT DT BIOS COMM MICS	202 205 113 130		Nutrition Care Process Dietetic Directed Practice IV Anatomy and Physiology I Speech Microsoft Office	T T G G G	3.00 3.00 1.00 3.00 3.00 2.00	0.00 7.00 2.00 0.00 3.00	3.00 2.00 3.00 3.00 3.00	\$30
DT DT BIOS COMM	202 205 113 130 121		Nutrition Care Process Dietetic Directed Practice IV Anatomy and Physiology I Speech	T T G G	3.00 3.00 1.00 3.00 3.00 2.00 0.00	0.00 7.00 2.00 0.00 3.00 <u>0.00</u>	3.00 2.00 3.00 3.00 3.00 1.00	\$30 \$10
DT DT BIOS COMM MICS	202 205 113 130 121		Nutrition Care Process Dietetic Directed Practice IV Anatomy and Physiology I Speech Microsoft Office	T T G G G	3.00 3.00 1.00 3.00 3.00 2.00	0.00 7.00 2.00 0.00 3.00	3.00 2.00 3.00 3.00 3.00	\$30 \$10
DT DT BIOS COMM MICS HPE	202 205 113 130 121		Nutrition Care Process Dietetic Directed Practice IV Anatomy and Physiology I Speech Microsoft Office	T T G G G	3.00 3.00 1.00 3.00 3.00 2.00 0.00	0.00 7.00 2.00 0.00 3.00 <u>0.00</u>	3.00 2.00 3.00 3.00 3.00 1.00	\$30 \$10
DT DT BIOS COMM MICS HPE	202 205 113 130 121		Nutrition Care Process Dietetic Directed Practice IV Anatomy and Physiology I Speech Microsoft Office Health Promotion Elective (Required)	T T G G G	3.00 3.00 1.00 3.00 3.00 2.00 0.00 15.00-14.00	0.00 7.00 2.00 0.00 3.00 0.00 12.00	3.00 2.00 3.00 3.00 3.00 1.00 18.00	\$30 \$10 \$45
DT DT BIOS COMM MICS HPE Fifth Qua	202 205 113 130 121 •••	Р	Nutrition Care Process Dietetic Directed Practice IV Anatomy and Physiology I Speech Microsoft Office Health Promotion Elective (Required)  Course Name	T T G G G G	3.00 3.00 1.00 3.00 3.00 2.00 0.00 15.00-14.00	0.00 7.00 2.00 0.00 3.00 0.00 12.00	3.00 2.00 3.00 3.00 3.00 1.00 18.00	\$30 \$10
DT DT BIOS COMM MICS HPE Fifth Qui Course N	202 205 113 130 121 ••• arter Io. 210	P	Nutrition Care Process Dietetic Directed Practice IV Anatomy and Physiology I Speech Microsoft Office Health Promotion Elective (Required)  Course Name Diet Therapy II	T T G G G G G Type	3.00 3.00 1.00 3.00 3.00 2.00 0.00 15.00-14.00	0.00 7.00 2.00 0.00 3.00 0.00 12.00	3.00 2.00 3.00 3.00 3.00 1.00 18.00	\$30 \$10 \$45
DT DT BIOS COMM MICS HPE Fifth Qu Course N DT DT	202 205 113 130 121 ••• arter Io. 210 212	Р	Nutrition Care Process Dietetic Directed Practice IV Anatomy and Physiology I Speech Microsoft Office Health Promotion Elective (Required)  Course Name Diet Therapy II Nutrition Education Methods	T T G G G G T Type T	3.00 3.00 1.00 3.00 3.00 2.00 0.00 15.00-14.00 Class 3.00 2.00	0.00 7.00 2.00 0.00 3.00 0.00 12.00	3.00 2.00 3.00 3.00 3.00 1.00 18.00	\$30 \$10 \$45
DT DT BIOS COMM MICS HPE Fifth Qui Course N DT DT DT	202 205 113 130 121 ••• arter Io. 210	P	Nutrition Care Process Dietetic Directed Practice IV Anatomy and Physiology I Speech Microsoft Office Health Promotion Elective (Required)  Course Name Diet Therapy II Nutrition Education Methods Dietetic Directed Practice V	T T G G G G G Type	3.00 3.00 1.00 3.00 3.00 2.00 0.00 15.00-14.00	0.00 7.00 2.00 0.00 3.00 0.00 12.00	3.00 2.00 3.00 3.00 3.00 1.00 18.00	\$30 \$10 \$45
DT DT BIOS COMM MICS HPE Fifth Qu Course N DT DT	202 205 113 130 121 ••• arter Io. 210 212	P	Nutrition Care Process Dietetic Directed Practice IV Anatomy and Physiology I Speech Microsoft Office Health Promotion Elective (Required)  Course Name Diet Therapy II Nutrition Education Methods	T T G G G G T Type T	3.00 3.00 1.00 3.00 3.00 2.00 0.00 15.00-14.00 Class 3.00 2.00	0.00 7.00 2.00 0.00 3.00 0.00 12.00	3.00 2.00 3.00 3.00 3.00 1.00 18.00 Credit 3.00 2.00 2.00	\$30 \$10 \$45 Course Fee
DT DT BIOS COMM MICS HPE Fifth Qui Course N DT DT DT	202 205 113 130 121 ••• arter lo. 210 212 215	P	Nutrition Care Process Dietetic Directed Practice IV Anatomy and Physiology I Speech Microsoft Office Health Promotion Elective (Required)  Course Name Diet Therapy II Nutrition Education Methods Dietetic Directed Practice V Management of Quantity Food Systems	T T G G G G T T T T	3.00 3.00 1.00 3.00 3.00 2.00 0.00 15.00-14.00 Class 3.00 2.00 1.00 3.00	0.00 7.00 2.00 0.00 3.00 0.00 12.00 Lab 0.00 0.00 7.00	3.00 2.00 3.00 3.00 3.00 1.00 18.00 Credit 3.00 2.00 2.00 3.00	\$30 \$10 \$45 Course Fee \$35
DT DT BIOS COMM MICS HPE  Fifth Qui Course N DT DT DT DT BIOS	202 205 113 130 121 ••• arter lo. 210 212 215 230 114	P	Nutrition Care Process Dietetic Directed Practice IV Anatomy and Physiology I Speech Microsoft Office Health Promotion Elective (Required)  Course Name Diet Therapy II Nutrition Education Methods Dietetic Directed Practice V Management of Quantity Food Systems Anatomy and Physiology II	T T G G G G T T T T T G	3.00 3.00 1.00 3.00 2.00 0.00 15.00-14.00 Class 3.00 2.00 1.00 3.00 3.00	0.00 7.00 2.00 0.00 3.00 0.00 12.00 Lab 0.00 0.00 7.00 0.00 2.00	3.00 2.00 3.00 3.00 3.00 1.00 18.00 Credit 3.00 2.00 2.00 3.00 3.00	\$30 \$10 \$45 Course Fee \$35 \$30
DT DT BIOS COMM MICS HPE  Fifth Quice Course N DT DT DT BIOS COMM	202 205 113 130 121 ••• arter 10. 210 212 215 230 114 104	P	Nutrition Care Process Dietetic Directed Practice IV Anatomy and Physiology I Speech Microsoft Office Health Promotion Elective (Required)  Course Name Diet Therapy II Nutrition Education Methods Dietetic Directed Practice V Management of Quantity Food Systems Anatomy and Physiology II Job Search Techniques	T T G G G G T T T T G G	3.00 3.00 1.00 3.00 3.00 2.00 0.00 15.00-14.00 Class 3.00 2.00 1.00 3.00 3.00	0.00 7.00 2.00 0.00 3.00 0.00 12.00 Lab 0.00 0.00 7.00 0.00 2.00 0.00	3.00 2.00 3.00 3.00 3.00 1.00 18.00 Credit 3.00 2.00 2.00 2.00 3.00 3.00	\$30 \$10 \$45 <b>Course Fee</b> \$35  \$30 \$10
DT DT BIOS COMM MICS HPE  Fifth Qui Course N DT DT DT DT BIOS	202 205 113 130 121 ••• arter lo. 210 212 215 230 114	P	Nutrition Care Process Dietetic Directed Practice IV Anatomy and Physiology I Speech Microsoft Office Health Promotion Elective (Required)  Course Name Diet Therapy II Nutrition Education Methods Dietetic Directed Practice V Management of Quantity Food Systems Anatomy and Physiology II Job Search Techniques Introduction to Sociology	T T G G G G T T T T T G	3.00 3.00 1.00 3.00 2.00 0.00 15.00-14.00 Class 3.00 2.00 1.00 3.00 3.00	0.00 7.00 2.00 0.00 3.00 0.00 12.00 Lab 0.00 0.00 7.00 0.00 2.00	3.00 2.00 3.00 3.00 3.00 1.00 18.00 Credit 3.00 2.00 2.00 3.00 3.00	\$30 \$10 \$45 Course Fee \$35 \$30
DT DT BIOS COMM MICS HPE  Fifth Quice NOT DT DT DT BIOS COMM SOCI	202 205 113 130 121 ••• arter Io. 210 212 215 230 114 104 160	P P P	Nutrition Care Process Dietetic Directed Practice IV Anatomy and Physiology I Speech Microsoft Office Health Promotion Elective (Required)  Course Name Diet Therapy II Nutrition Education Methods Dietetic Directed Practice V Management of Quantity Food Systems Anatomy and Physiology II Job Search Techniques Introduction to Sociology or	T T G G G G T T T T G G	3.00 3.00 1.00 3.00 3.00 2.00 0.00 15.00-14.00 Class 3.00 2.00 1.00 3.00 3.00 3.00	0.00 7.00 2.00 0.00 3.00 0.00 12.00  Lab 0.00 0.00 7.00 0.00 2.00 0.00 0.00	3.00 2.00 3.00 3.00 3.00 1.00 18.00 Credit 3.00 2.00 2.00 3.00 3.00 3.00	\$30 \$10 \$45 Course Fee \$35 \$30 \$10 \$7
DT DT BIOS COMM MICS HPE  Fifth Quice Course N DT DT DT BIOS COMM	202 205 113 130 121 ••• arter 10. 210 212 215 230 114 104	P	Nutrition Care Process Dietetic Directed Practice IV Anatomy and Physiology I Speech Microsoft Office Health Promotion Elective (Required)  Course Name Diet Therapy II Nutrition Education Methods Dietetic Directed Practice V Management of Quantity Food Systems Anatomy and Physiology II Job Search Techniques Introduction to Sociology	T T G G G G T T T T G G	3.00 3.00 1.00 3.00 3.00 2.00 0.00 15.00-14.00 Class 3.00 2.00 1.00 3.00 3.00 3.00	0.00 7.00 2.00 0.00 3.00 0.00 12.00  Lab 0.00 7.00 0.00 7.00 0.00 2.00 0.00 0.00	3.00 2.00 3.00 3.00 3.00 1.00 18.00 Credit 3.00 2.00 2.00 3.00 1.00 3.00	\$30 \$10 \$45 <b>Course Fee</b> \$35  \$30 \$10
DT DT BIOS COMM MICS HPE  Fifth Quice NOT DT DT DT BIOS COMM SOCI	202 205 113 130 121 ••• arter Io. 210 212 215 230 114 104 160	P P P	Nutrition Care Process Dietetic Directed Practice IV Anatomy and Physiology I Speech Microsoft Office Health Promotion Elective (Required)  Course Name Diet Therapy II Nutrition Education Methods Dietetic Directed Practice V Management of Quantity Food Systems Anatomy and Physiology II Job Search Techniques Introduction to Sociology or	T T G G G G T T T T G G	3.00 3.00 1.00 3.00 3.00 2.00 0.00 15.00-14.00 Class 3.00 2.00 1.00 3.00 3.00 3.00	0.00 7.00 2.00 0.00 3.00 0.00 12.00  Lab 0.00 0.00 7.00 0.00 2.00 0.00 0.00	3.00 2.00 3.00 3.00 3.00 1.00 18.00 Credit 3.00 2.00 2.00 3.00 3.00 3.00	\$30 \$10 \$45 Course Fee \$35 \$30 \$10 \$7
DT DT BIOS COMM MICS HPE  Fifth Quice Not DT DT DT BIOS COMM SOCI	202 205 113 130 121 •••• arter lo. 210 212 215 230 114 104 160	P P P	Nutrition Care Process Dietetic Directed Practice IV Anatomy and Physiology I Speech Microsoft Office Health Promotion Elective (Required)  Course Name Diet Therapy II Nutrition Education Methods Dietetic Directed Practice V Management of Quantity Food Systems Anatomy and Physiology II Job Search Techniques Introduction to Sociology or	T T G G G G T T T T G G	3.00 3.00 1.00 3.00 3.00 2.00 0.00 15.00-14.00 Class 3.00 2.00 1.00 3.00 3.00 3.00	0.00 7.00 2.00 0.00 3.00 0.00 12.00  Lab 0.00 7.00 0.00 7.00 0.00 2.00 0.00 0.00	3.00 2.00 3.00 3.00 3.00 1.00 18.00 Credit 3.00 2.00 2.00 3.00 1.00 3.00	\$30 \$10 \$45 Course Fee \$35 \$30 \$10 \$7
DT DT BIOS COMM MICS HPE  Fifth Qui Course N DT DT BIOS COMM SOCI  SOCI	202 205 113 130 121 ••• 210 212 215 230 114 104 160	P P P	Nutrition Care Process Dietetic Directed Practice IV Anatomy and Physiology I Speech Microsoft Office Health Promotion Elective (Required)  Course Name Diet Therapy II Nutrition Education Methods Dietetic Directed Practice V Management of Quantity Food Systems Anatomy and Physiology II Job Search Techniques Introduction to Sociology or Human Relations in Organizations	T T G G G G T T T T G G	3.00 3.00 1.00 3.00 3.00 2.00 0.00 15.00-14.00 Class 3.00 2.00 1.00 3.00 3.00 3.00	0.00 7.00 2.00 0.00 3.00 0.00 12.00  Lab 0.00 7.00 0.00 7.00 0.00 2.00 0.00 0.00	3.00 2.00 3.00 3.00 3.00 1.00 18.00 Credit 3.00 2.00 2.00 3.00 1.00 3.00	\$30 \$10 \$45 Course Fee \$35 \$30 \$10 \$7
DT DT BIOS COMM MICS HPE  Fifth Quice Not DT DT DT BIOS COMM SOCI	202 205 113 130 121 ••• 210 212 215 230 114 104 160	P P P	Nutrition Care Process Dietetic Directed Practice IV Anatomy and Physiology I Speech Microsoft Office Health Promotion Elective (Required)  Course Name Diet Therapy II Nutrition Education Methods Dietetic Directed Practice V Management of Quantity Food Systems Anatomy and Physiology II Job Search Techniques Introduction to Sociology or	T T G G G G T T T T G G	3.00 3.00 1.00 3.00 3.00 2.00 0.00 15.00-14.00 Class 3.00 2.00 1.00 3.00 3.00 3.00	0.00 7.00 2.00 0.00 3.00 0.00 12.00  Lab 0.00 7.00 0.00 7.00 0.00 2.00 0.00 0.00	3.00 2.00 3.00 3.00 3.00 1.00 18.00 Credit 3.00 2.00 2.00 3.00 1.00 3.00	\$30 \$10 \$45 Course Fee \$35 \$30 \$10 \$7
DT DT BIOS COMM MICS HPE  Fifth Qui Course N DT DT BIOS COMM SOCI  SOCI	202 205 113 130 121 ••• 210 212 215 230 114 104 160	P P P	Nutrition Care Process Dietetic Directed Practice IV Anatomy and Physiology I Speech Microsoft Office Health Promotion Elective (Required)  Course Name Diet Therapy II Nutrition Education Methods Dietetic Directed Practice V Management of Quantity Food Systems Anatomy and Physiology II Job Search Techniques Introduction to Sociology or Human Relations in Organizations	T T G G G Type T T T T G G G G G G	3.00 3.00 1.00 3.00 3.00 2.00 0.00 15.00-14.00 Class 3.00 2.00 1.00 3.00 3.00 1.00 3.00	0.00 7.00 2.00 0.00 3.00 0.00 12.00  Lab 0.00 0.00 7.00 0.00 2.00 0.00 0.00 0.00	3.00 2.00 3.00 3.00 3.00 1.00 18.00 2.00 2.00 2.00 3.00 3.00 3.00 1.00 3.00	\$30 \$10 \$45 <b>Course Fee</b> \$35  \$30 \$10 \$7  \$7
DT DT BIOS COMM MICS HPE  Fifth Qui Course N DT DT DT DT BIOS COMM SOCI  SOCI  Sixth Qui Course N DT	202 205 113 130 121 •••• arter Io. 210 212 215 230 114 104 160 169	P P P	Nutrition Care Process Dietetic Directed Practice IV Anatomy and Physiology I Speech Microsoft Office Health Promotion Elective (Required)  Course Name Diet Therapy II Nutrition Education Methods Dietetic Directed Practice V Management of Quantity Food Systems Anatomy and Physiology II Job Search Techniques Introduction to Sociology or Human Relations in Organizations  Course Name Dietetic Directed Practice VI	T T G G G G G G G G G G G G G G G G G G	3.00 3.00 1.00 3.00 3.00 2.00 0.00 15.00-14.00  Class 3.00 2.00 1.00 3.00 3.00 3.00 1.00 3.00 Class 1.00 Class 1.00	0.00 7.00 2.00 0.00 3.00 0.00 12.00  Lab 0.00 7.00 0.00 2.00 0.00 0.00 0.00 0.00	3.00 2.00 3.00 3.00 3.00 1.00 18.00  Credit 3.00 2.00 2.00 3.00 3.00 1.00 3.00 1.00  Credit 3.00 1.00 3.00	\$30 \$10 \$45 Course Fee \$35 \$30 \$10 \$7 \$7
DT DT BIOS COMM MICS HPE  Fifth Quice Note of the property of	202 205 113 130 121 •••• 210 212 215 230 114 104 160 169	P P P	Nutrition Care Process Dietetic Directed Practice IV Anatomy and Physiology I Speech Microsoft Office Health Promotion Elective (Required)  Course Name Diet Therapy II Nutrition Education Methods Dietetic Directed Practice V Management of Quantity Food Systems Anatomy and Physiology II Job Search Techniques Introduction to Sociology or Human Relations in Organizations  Course Name Dietetic Directed Practice VI Technical Writing	T T G G G Type G G G G G Type G G G G G G G G G G Type T T G G G G G Type T G G G G G Type G G G G G G G G G G G G G G G G G G G	3.00 3.00 1.00 3.00 3.00 2.00 0.00 15.00-14.00  Class 3.00 2.00 1.00 3.00 3.00 3.00 1.00 3.00 Class 1.00 3.00 3.00	0.00 7.00 2.00 0.00 3.00 0.00 12.00  Lab 0.00 7.00 0.00 2.00 0.00 0.00 0.00 0.00	3.00 2.00 3.00 3.00 3.00 1.00 18.00  Credit 3.00 2.00 2.00 3.00 1.00 3.00 1.00 3.00  Credit 3.00 3.00 3.00 3.00 3.00	\$30 \$10 \$45 Course Fee \$35 \$30 \$10 \$7 \$7 \$7
DT DT BIOS COMM MICS HPE  Fifth Quice Note of the Course Note of the C	202 205 113 130 121 •••• 212 215 230 114 104 160 169	P P P	Nutrition Care Process Dietetic Directed Practice IV Anatomy and Physiology I Speech Microsoft Office Health Promotion Elective (Required)  Course Name Diet Therapy II Nutrition Education Methods Dietetic Directed Practice V Management of Quantity Food Systems Anatomy and Physiology II Job Search Techniques Introduction to Sociology or Human Relations in Organizations  Course Name Dietetic Directed Practice VI Technical Writing CPR for the Professional Rescuer	T T G G G G Type G G G G G G G G G G G G G G G G G G G	3.00 3.00 1.00 3.00 2.00 0.00 15.00-14.00  Class 3.00 2.00 1.00 3.00 3.00 1.00 3.00 1.00 3.00 1.00 3.00 1.00 3.00 1.00 3.00 1.00 3.00	0.00 7.00 2.00 0.00 3.00 0.00 12.00  Lab 0.00 0.00 7.00 0.00 0.00 0.00 0.00 0.0	3.00 2.00 3.00 3.00 3.00 1.00 18.00  Credit 3.00 2.00 3.00 3.00 1.00 3.00 1.7.00  Credit 3.00 1.00 0 1.00 0 0 0 0 0 0 0 0 0 0 0 0	\$30 \$10 \$45 Course Fee \$35 \$30 \$10 \$7 \$7
DT DT BIOS COMM MICS HPE  Fifth Quite Course N DT DT BIOS COMM SOCI  SOCI  Sixth Quite Course N DT COMM EM HLTH	202 205 113 130 121 ••• 210 212 215 230 114 104 160 169	P P P	Nutrition Care Process Dietetic Directed Practice IV Anatomy and Physiology I Speech Microsoft Office Health Promotion Elective (Required)  Course Name Diet Therapy II Nutrition Education Methods Dietetic Directed Practice V Management of Quantity Food Systems Anatomy and Physiology II Job Search Techniques Introduction to Sociology or Human Relations in Organizations  Course Name Dietetic Directed Practice VI Technical Writing CPR for the Professional Rescuer Community Health	T T G G G Type T T G G G G G G G G G G G G G G G G G	3.00 3.00 1.00 3.00 2.00 0.00 15.00-14.00  Class 3.00 2.00 1.00 3.00 1.00 3.00 1.00 3.00 1.00 3.00 1.00 3.00 1.00 3.00 1.00 2.00	0.00 7.00 2.00 0.00 3.00 0.00 12.00   Lab 0.00 0.00 7.00 0.00 2.00 0.00 0.00 0.00	3.00 2.00 3.00 3.00 3.00 1.00 18.00  Credit 3.00 2.00 2.00 3.00 3.00 1.00 3.00 17.00  Credit 3.00 2.00 2.00 2.00	\$30 \$10 \$45 Course Fee \$35 \$30 \$10 \$7 \$7 \$7 Course Fee \$35 \$20 \$25
DT DT BIOS COMM MICS HPE  Fifth Quarter Not DT	202 205 113 130 121 ••• 210 212 215 230 114 104 160 169	P P P	Nutrition Care Process Dietetic Directed Practice IV Anatomy and Physiology I Speech Microsoft Office Health Promotion Elective (Required)  Course Name Diet Therapy II Nutrition Education Methods Dietetic Directed Practice V Management of Quantity Food Systems Anatomy and Physiology II Job Search Techniques Introduction to Sociology or Human Relations in Organizations  Course Name Dietetic Directed Practice VI Technical Writing CPR for the Professional Rescuer Community Health Introduction to Psychology	T T G G G G Type G G G G G G G G G G G G G G G G G G G	3.00 3.00 1.00 3.00 2.00 0.00 15.00-14.00  Class 3.00 2.00 1.00 3.00 3.00 1.00 3.00 1.00 3.00 1.00 3.00 1.00 3.00 1.00 3.00 1.00 3.00 3	0.00 7.00 2.00 0.00 3.00 0.00 12.00   Lab 0.00 0.00 7.00 0.00 2.00 0.00 0.00 0.00	3.00 2.00 3.00 3.00 3.00 3.00 1.00 18.00  Credit 3.00 2.00 2.00 3.00 3.00 1.00 3.00 17.00  Credit 3.00 3.00 17.00  Credit 3.00 3.00 3.00 3.00 3.00 3.00 3.00 3.0	\$30 \$10 \$45 Course Fee \$35 \$30 \$10 \$7 \$7 \$7 Course Fee \$35 \$20 \$25 \$7
DT DT BIOS COMM MICS HPE  Fifth Quite Course N DT DT BIOS COMM SOCI  SOCI  Sixth Quite Course N DT COMM EM HLTH	202 205 113 130 121 ••• 210 212 215 230 114 104 160 169	P P P	Nutrition Care Process Dietetic Directed Practice IV Anatomy and Physiology I Speech Microsoft Office Health Promotion Elective (Required)  Course Name Diet Therapy II Nutrition Education Methods Dietetic Directed Practice V Management of Quantity Food Systems Anatomy and Physiology II Job Search Techniques Introduction to Sociology or Human Relations in Organizations  Course Name Dietetic Directed Practice VI Technical Writing CPR for the Professional Rescuer Community Health Introduction to Psychology Food Preparation Principles For Children	T T G G G Type T T G G G G G G G G G G G G G G G G G	3.00 3.00 1.00 3.00 2.00 0.00 15.00-14.00  Class 3.00 2.00 1.00 3.00 1.00 3.00 1.00 3.00 1.00 3.00 1.00 3.00 1.00 3.00 1.00 2.00	0.00 7.00 2.00 0.00 3.00 0.00 12.00   Lab 0.00 0.00 7.00 0.00 2.00 0.00 0.00 0.00	3.00 2.00 3.00 3.00 3.00 1.00 18.00  Credit 3.00 2.00 2.00 3.00 3.00 1.00 3.00 17.00  Credit 3.00 2.00 2.00 2.00	\$30 \$10 \$45 Course Fee \$35 \$30 \$10 \$7 \$7 \$7 Course Fee \$35 \$20 \$25
DT DT BIOS COMM MICS HPE  Fifth Quice Note of the property of	202 205 113 130 121 •••• 210 212 215 230 114 104 160 169	P P P	Nutrition Care Process Dietetic Directed Practice IV Anatomy and Physiology I Speech Microsoft Office Health Promotion Elective (Required)  Course Name Diet Therapy II Nutrition Education Methods Dietetic Directed Practice V Management of Quantity Food Systems Anatomy and Physiology II Job Search Techniques Introduction to Sociology or Human Relations in Organizations  Course Name Dietetic Directed Practice VI Technical Writing CPR for the Professional Rescuer Community Health Introduction to Psychology Food Preparation Principles For Children (Optional)	T T G G G G Type T T G G G G T G G G T T G G G G T T T G G G G G T T T G G G G G G T T T G G G G G G T T T G G G G G T T T T G G G G G T T T T G G G G G T T T T G G G G G T T T T G G G G G T T T T G G G G G T T T T T G G G G G T T T T T G G G G G T T T T G G G G G T	3.00 3.00 1.00 3.00 2.00 0.00 15.00-14.00  Class 3.00 2.00 1.00 3.00 3.00 1.00 3.00 1.00 3.00 1.00 3.00 1.00 3.00 1.00 3.00 1.00 3.00 1.00 3.00 1.00 3.00	0.00 7.00 2.00 0.00 3.00 0.00 12.00   Lab 0.00 0.00 7.00 0.00 2.00 0.00 0.00 0.00	3.00 2.00 3.00 3.00 3.00 3.00 1.00 18.00  Credit 3.00 2.00 2.00 3.00 3.00 1.00 3.00 17.00  Credit 3.00 3.00 17.00  Credit 3.00 3.00 3.00 3.00 3.00 3.00 3.00 3.0	\$30 \$10 \$45 Course Fee \$35 \$30 \$10 \$7 \$7 \$7 Course Fee \$35 \$20 \$25 \$7
DT DT BIOS COMM MICS HPE  Fifth Quarter Not DT	202 205 113 130 121 ••• 210 212 215 230 114 104 160 169	P P P	Nutrition Care Process Dietetic Directed Practice IV Anatomy and Physiology I Speech Microsoft Office Health Promotion Elective (Required)  Course Name Diet Therapy II Nutrition Education Methods Dietetic Directed Practice V Management of Quantity Food Systems Anatomy and Physiology II Job Search Techniques Introduction to Sociology or Human Relations in Organizations  Course Name Dietetic Directed Practice VI Technical Writing CPR for the Professional Rescuer Community Health Introduction to Psychology Food Preparation Principles For Children	T T G G G G Type G G G G G G G G G G G G G G G G G G G	3.00 3.00 1.00 3.00 2.00 0.00 15.00-14.00  Class 3.00 2.00 1.00 3.00 3.00 1.00 3.00 1.00 3.00 1.00 3.00 1.00 3.00 1.00 3.00 1.00 3.00 3	0.00 7.00 2.00 0.00 3.00 0.00 12.00   Lab 0.00 0.00 7.00 0.00 2.00 0.00 0.00 0.00	3.00 2.00 3.00 3.00 3.00 3.00 1.00 18.00  Credit 3.00 2.00 2.00 3.00 3.00 1.00 3.00 17.00  Credit 3.00 3.00 17.00  Credit 3.00 3.00 3.00 3.00 3.00 3.00 3.00 3.0	\$30 \$10 \$45 Course Fee \$35 \$30 \$10 \$7 \$7 \$7 Course Fee \$35 \$20 \$25 \$7
DT DT BIOS COMM MICS HPE  Fifth Quice Note of the property of	202 205 113 130 121 •••• 210 212 215 230 114 104 160 169	P P P	Nutrition Care Process Dietetic Directed Practice IV Anatomy and Physiology I Speech Microsoft Office Health Promotion Elective (Required)  Course Name Diet Therapy II Nutrition Education Methods Dietetic Directed Practice V Management of Quantity Food Systems Anatomy and Physiology II Job Search Techniques Introduction to Sociology or Human Relations in Organizations  Course Name Dietetic Directed Practice VI Technical Writing CPR for the Professional Rescuer Community Health Introduction to Psychology Food Preparation Principles For Children (Optional)	T T G G G G Type T T G G G G T G G G T T G G G G T T T G G G G G T T T G G G G G G T T T G G G G G T T T G G G G G T T T G G G G G T T T T G G G G G T T T T G G G G G T T T T G G G G G T T T T G G G G G T T T T T G G G G G T T T T T G G G G G T T T T T T G G G G G T	3.00 3.00 1.00 3.00 2.00 0.00 15.00-14.00  Class 3.00 2.00 1.00 3.00 3.00 1.00 3.00 1.00 3.00 1.00 3.00 1.00 3.00 1.00 3.00 1.00 3.00 1.00 3.00 1.00 3.00	0.00 7.00 2.00 0.00 3.00 0.00 12.00  Lab 0.00 0.00 7.00 0.00 0.00 0.00 0.00 0.0	3.00 2.00 3.00 3.00 3.00 3.00 1.00 18.00  Credit 3.00 2.00 2.00 3.00 1.00 3.00 1.00  Credit 3.00 1.00 3.00 1.00 2.00 2.00 3.00 1.00 2.00 2.00 3.00 2.00 3.00 3.00 3.00 3	\$30 \$10 \$45 Course Fee \$35 \$30 \$10 \$7 \$7 \$7 Course Fee \$35 \$20 \$25 \$7 \$20
DT DT BIOS COMM MICS HPE  Fifth Quice Note of the property of	202 205 113 130 121 •••• 210 212 215 230 114 104 160 169	P P P	Nutrition Care Process Dietetic Directed Practice IV Anatomy and Physiology I Speech Microsoft Office Health Promotion Elective (Required)  Course Name Diet Therapy II Nutrition Education Methods Dietetic Directed Practice V Management of Quantity Food Systems Anatomy and Physiology II Job Search Techniques Introduction to Sociology or Human Relations in Organizations  Course Name Dietetic Directed Practice VI Technical Writing CPR for the Professional Rescuer Community Health Introduction to Psychology Food Preparation Principles For Children (Optional)	T T G G G G Type T T G G G G T G G G T T G G G G T T T G G G G G T T T G G G G G G T T T G G G G G T T T G G G G G T T T G G G G G T T T T G G G G G T T T T G G G G G T T T T G G G G G T T T T G G G G G T T T T T G G G G G T T T T T G G G G G T T T T T T G G G G G T	3.00 3.00 1.00 3.00 2.00 0.00 15.00-14.00  Class 3.00 2.00 1.00 3.00 3.00 1.00 3.00 1.00 3.00 1.00 3.00 1.00 3.00 1.00 2.00 1.00 3.00 1.00 2.00 3.00 1.00 2.00 3.00	0.00 7.00 2.00 0.00 3.00 0.00 12.00  Lab 0.00 7.00 0.00 2.00 0.00 0.00 0.00 0.00	3.00 2.00 3.00 3.00 3.00 3.00 1.00 18.00  Credit 3.00 2.00 3.00 3.00 1.00 3.00 1.00  Credit 3.00 2.00 3.00 2.00 3.00 2.00 3.00 3.00	\$30 \$10 \$45 Course Fee \$35 \$30 \$10 \$7 \$7 \$7 Course Fee \$35 \$20 \$25 \$7 \$20
DT DT BIOS COMM MICS HPE  Fifth Quite Course N DT DT DT BIOS COMM SOCI  SOCI  Sixth Quite Course N DT COMM EM HLTH PSYC DT DT DT DT DT COMM EM HLTH PSYC DT	202 205 113 130 121 •••• 210 212 215 230 114 104 160 169	P P P	Nutrition Care Process Dietetic Directed Practice IV Anatomy and Physiology I Speech Microsoft Office Health Promotion Elective (Required)  Course Name Diet Therapy II Nutrition Education Methods Dietetic Directed Practice V Management of Quantity Food Systems Anatomy and Physiology II Job Search Techniques Introduction to Sociology or Human Relations in Organizations  Course Name Dietetic Directed Practice VI Technical Writing CPR for the Professional Rescuer Community Health Introduction to Psychology Food Preparation Principles For Children (Optional) Current Topics in Dietetics (Required)	T T G G G G Type T T G G G G T G G G T T G G G G T T T G G G G G T T T G G G G G G T T T G G G G G T T T G G G G G T T T G G G G G T T T T G G G G G T T T T G G G G G T T T T G G G G G T T T T G G G G G T T T T T G G G G G T T T T T G G G G G T T T T T T G G G G G T	3.00 3.00 1.00 3.00 2.00 0.00 15.00-14.00  Class 3.00 2.00 1.00 3.00 3.00 1.00 3.00 1.00 3.00 1.00 3.00 1.00 3.00 1.00 2.00 1.00 3.00 1.00 2.00 3.00 1.00 2.00 3.00	0.00 7.00 2.00 0.00 3.00 0.00 12.00  Lab 0.00 7.00 0.00 2.00 0.00 0.00 0.00 0.00	3.00 2.00 3.00 3.00 3.00 3.00 1.00 18.00  Credit 3.00 2.00 2.00 3.00 1.00 3.00 1.00  Credit 3.00 1.00 3.00 1.00 2.00 2.00 3.00 1.00 2.00 2.00 3.00 2.00 3.00 3.00 3.00 3	\$30 \$10 \$45 Course Fee \$35 \$30 \$10 \$7 \$7 \$7 Course Fee \$35 \$20 \$25 \$7 \$20
DT DT BIOS COMM MICS HPE  Fifth Quiton Course N DT	202 205 113 130 121 •••• 210 212 215 230 114 104 160 169 ***  ***  ***  ***  ***  ***  ***  *	P P P	Nutrition Care Process Dietetic Directed Practice IV Anatomy and Physiology I Speech Microsoft Office Health Promotion Elective (Required)  Course Name Diet Therapy II Nutrition Education Methods Dietetic Directed Practice V Management of Quantity Food Systems Anatomy and Physiology II Job Search Techniques Introduction to Sociology or Human Relations in Organizations  Course Name Dietetic Directed Practice VI Technical Writing CPR for the Professional Rescuer Community Health Introduction to Psychology Food Preparation Principles For Children (Optional) Current Topics in Dietetics (Required)	T T G G G G Type T T G G G G T G G G T T G G G G T T T G G G G G T T T G G G G G G T T T G G G G G T T T G G G G G T T T G G G G G T T T T G G G G G T T T T G G G G G T T T T G G G G G T T T T G G G G G T T T T T G G G G G T T T T T G G G G G T T T T T T G G G G G T	3.00 3.00 1.00 3.00 2.00 0.00 15.00-14.00  Class 3.00 2.00 1.00 3.00 3.00 1.00 3.00 1.00 3.00 1.00 3.00 1.00 3.00 1.00 2.00 1.00 3.00 1.00 2.00 3.00 1.00 2.00 3.00	0.00 7.00 2.00 0.00 3.00 0.00 12.00  Lab 0.00 7.00 0.00 2.00 0.00 0.00 0.00 0.00	3.00 2.00 3.00 3.00 3.00 3.00 1.00 18.00  Credit 3.00 2.00 2.00 3.00 1.00 3.00 1.00  Credit 3.00 1.00 3.00 1.00 2.00 2.00 3.00 1.00 2.00 2.00 3.00 2.00 3.00 3.00 3.00 3	\$30 \$10 \$45 Course Fee \$35 \$30 \$10 \$7 \$7 \$7 Course Fee \$35 \$20 \$25 \$7 \$20
DT DT BIOS COMM MICS HPE  Fifth Quiton Course N DT	202 205 113 130 121 •••• 210 212 215 230 114 104 160 169 arter 10. 225 225 133 202 150 104 220	P P P	Nutrition Care Process Dietetic Directed Practice IV Anatomy and Physiology I Speech Microsoft Office Health Promotion Elective (Required)  Course Name Diet Therapy II Nutrition Education Methods Dietetic Directed Practice V Management of Quantity Food Systems Anatomy and Physiology II Job Search Techniques Introduction to Sociology or Human Relations in Organizations  Course Name Dietetic Directed Practice VI Technical Writing CPR for the Professional Rescuer Community Health Introduction to Psychology Food Preparation Principles For Children (Optional) Current Topics in Dietetics (Required)	T T G G G G Type T T G G G G T G G G T T G G G G T T T G G G G G T T T G G G G G G T T T G G G G G T T T G G G G G T T T G G G G G T T T T G G G G G T T T T G G G G G T T T T G G G G G T T T T G G G G G T T T T T G G G G G T T T T T G G G G G T T T T T T G G G G G T	3.00 3.00 1.00 3.00 2.00 0.00 15.00-14.00  Class 3.00 2.00 1.00 3.00 3.00 1.00 3.00 1.00 3.00 1.00 3.00 1.00 3.00 1.00 2.00 1.00 3.00 1.00 2.00 3.00 1.00 2.00 3.00	0.00 7.00 2.00 0.00 3.00 0.00 12.00  Lab 0.00 7.00 0.00 2.00 0.00 0.00 0.00 0.00	3.00 2.00 3.00 3.00 3.00 3.00 1.00 18.00  Credit 3.00 2.00 2.00 3.00 1.00 3.00 1.00  Credit 3.00 1.00 3.00 1.00 2.00 2.00 3.00 1.00 2.00 2.00 3.00 2.00 3.00 3.00 3.00 3	\$30 \$10 \$45 Course Fee \$35 \$30 \$10 \$7 \$7 \$7 Course Fee \$35 \$20 \$25 \$7 \$20

Nutrition and Dietetics Notes: Directed Practice prerequisites: Enrollment in or completion of technical, basic and general courses coordinated with each quarter of Directed Practices I, II, III, IV, V, VI and permission of the program coordinator.

Opticianry
For students entering June, 2002 through May, 2003

First Qu Course N	No.		Course Name	<u>Type</u>	Class	<u>Lab</u>	Credit	Course Fee
BIOS COMM	112 122	Р	The Human Organism Communications II	G G	3.00 3.00	2.00 0.00	3.00 3.00	\$30 \$20
EM	133	P	CPR for the Professional Rescuer	G	1.00	0.00	1.00	\$25
HLTH MATH	101 108 B		Medical Terminology I Introduction to Algebra for Business	G G	3.00 3.00	0.00 1.00	3.00	¢10
OPT	100		Introduction to Optical	G	2.00	0.00	3.00 2.00	\$16
PSYC	150	Р	Introduction to Psychology	G	3.00	0.00	3.00	\$7
					18.00	3.00	18.00	
Second (	Quarter							
Course N			Course Name	<u>Type</u>	Class	Lab	Credit	Course Fee
OPT OPT	101 131		Geometric Optics I Ophthalmic Dispensing I	T	2.00 2.00	3.00 3.00	3.00 3.00	\$35 \$50
BIOS	115		Anatomy and Physiology of the Eye	G	3.00	0.00	3.00	\$30
COMM EM	123 134	P P	Communications III Standard First Aid	G	3.00	0.00	3.00	\$20
PSYC	154	Р	Interpersonal Relationships	G G	1.00 3.00	0.00	1.00 3.00	\$25 \$7
HPE	•••		Health Promotion Elective (Required)	Ğ	1.00	0.00	1.00	Ψ,
					15.00	6.00	17.00	
Third Qu Course N			Course Name	Type	Class	Lob	Cuadit	Caurea Faa
OPT	102		Geometric Optics II	T	2.00	<u>Lab</u> 3.00	<u>Credit</u> 3.00	Course Fee \$35
OPT	121		Optical Clinical Experience I	Ţ	1.00	6.00	3.00	\$25
OPT MICS	132 121		Ophthalmic Dispensing II Microsoft Office	T G	2.00	3.00 3.00	3.00 3.00	\$50 \$45
BUS	100	Р	Small Business Management I	G	3.00	2.00	3.00	\$5 \$5
BUS	102	Р	or Principles and Practices of Management I	G	3.00	2.00	3.00	
505	102	'	Timespies and Tractices of Wallagement	d	10.00	17.00	15.00	
Summer	Quarter							
Course N	lo.		Course Name	<u>Type</u>	Class	<u>Lab</u>	Credit	Course Fee
See your	advisor regardi	ng cours	e offerings.					
Fourth C			Contract No.	-	01			_
Course N OPT	103		Course Name Geometric Optics III	<u>Type</u> T	<u>Class</u> 2.00	<u>Lab</u> 3.00	<u>Credit</u> 3.00	<u>Course Fee</u> \$35
OPT	122		Optical Clinical Experience II	Ť	1.00	6.00	3.00	\$25
OPT	133		Ophthalmic Dispensing III	Ţ	2.00	3.00	3.00	\$50
OPT COMM	201 104		Contact Lenses I Job Search Techniques	T G	2.00 1.00	3.00 0.00	3.00 1.00	\$50 \$10
BUS	101	Р	Small Business Management II	Ğ	3.00	2.00	3.00	\$5
BUS	103	Р	or Principles and Practices of Management II	G	3.00	2.00	3.00	
505	100	'	Timelples and Tractices of Management II	O .	11.00	17.00	16.00	
Fifth Qu	arter							
Course N	lo.		Course Name	<u>Type</u>	Class	<u>Lab</u>	Credit	Course Fee
OPT	111		Mechanical Optics I	Ţ	2.00	3.00	3.00	\$50
OPT OPT	123 202		Optical Clinical Experience III Contact Lenses II	T T	1.00 2.00	6.00 3.00	3.00 3.00	\$25 \$50
OPT	204		Ophthalmic Assisting	Ť	2.00	0.00	2.00	\$50
HUM	203		Ethics, Values, and Morality	G	3.00 10.00	0.00	3.00	\$5
					10.00	12.00	14.00	
Sixth Qu Course N			Course Name	Type	Class	Lah	Cradit	Course Fee
OPT	112		Mechanical Optics II	<u>Type</u> T	<u>Class</u> 2.00	<u>Lab</u> 3.00	<u>Credit</u> 3.00	Course Fee \$50
OPT	124		Optical Clinical Experience IV	T	1.00	16.00	6.00	\$25
OPT OPT	203		Contact Lenses III Refraction	T T	2.00	3.00	3.00	\$50 \$50
COMM	220 130		Speech	G	2.00 3.00	3.00 <u>0.00</u>	3.00 3.00	\$50 \$10
			•	=	10.00	25.00	18.00	<b>#</b> · <del>*</del>
Technical	Credit Hours		53.00					
General (	l Credit Hours Credit Hours dit Hours		53.00 45.00 98.00					

## Physical Therapist Assistant For students entering June, 2002 through May, 2003

First Qua	arter							
Course N			Course Name	Type	Class	<u>Lab</u>	Credit	Course Fee
BIOS	112		The Human Organism	G	3.00	2.00	3.00	\$30
COMM	122	Р	Communications II	G	3.00	0.00	3.00	\$20
HLTH	101		Medical Terminology I	G	3.00	0.00	3.00	
MATH	108	Р	Introduction to Algebra	G	3.00	1.00	3.00	\$16
PSYC	150	Р	Introduction to Psychology	G	3.00	0.00	3.00	\$7
PTA	100		Introduction to Physical Therapy	G	2.00	0.00	2.00	
					17.00	3.00	17.00	
Second (	Juarter							
Course N			Course Name	Type	Class	Lab	Credit	Course Fee
BIOS	113		Anatomy and Physiology I	G	3.00	2.00	3.00	\$30
CHEM	130		Fundamentals of Chemistry	Ğ	3.00	3.00	4.00	\$110
COMM	123	Р	Communications III	Ğ	3.00	0.00	3.00	\$20
HLTH	111		Medical Terminology II	G	3.00	0.00	3.00	<b>42</b> 0
PYSC	151	P	Developmental Psychology	G	3.00	0.00	3.00	\$7
HPE	•••		Health Elective (Required)	G	1.00	0.00	1.00	* '
						16.00	5.00	17.00
Third Qu	artar							
Course N			Course Name	Type	Class	Lab	Credit	Course Fee
BIOS	114		Anatomy and Physiology II	G	3.00	2.00	3.00	\$30
MICS	121		Microsoft Office	Ğ	2.00	3.00	3.00	\$45
PHYS	103		Physics	Ğ	3.00	2.00	3.00	ψ+3
COMM	130		Speech	G	3.00	0.00	3.00	\$10
			or					<b>4.0</b>
COMM	135		Verbal Career Skills	G	3.00	0.00	3.00	\$10
SOCI	153		Social and Cultural Awareness	G	4.00	0.00	4.00	\$7
SOCI	165		or Cross Cultural Studies	G	3.00	0.00	3.00	\$7
5001			cross cartaral stadies	o	14.00-15.00	7.00	15.00-16.00	Φ7
							70.00	
F (1 (1								
	Summer) Qua	arter						
Course N	lo.	arter	Course Name	Type	Class	Lab	Credit	Course Fee
Course N BIOS	<u>lo.</u> 201	arter	Advanced Anatomy	T	3.00	3.00	4.00	\$115
Course N BIOS BIOS	lo. 201 202	arter	Advanced Anatomy Kinesiology	T T	3.00 3.00	3.00 2.00	4.00 4.00	\$115 \$55
Course N BIOS BIOS PTA	201 202 200	arter	Advanced Anatomy Kinesiology Fundamentals of Physical Therapy	T T T	3.00 3.00 3.00	3.00 2.00 4.00	4.00 4.00 4.00	\$115 \$55 \$75
Course N BIOS BIOS PTA PTA	201 202 200 203		Advanced Anatomy Kinesiology Fundamentals of Physical Therapy Physical Therapy Procedures	T T T	3.00 3.00 3.00 3.00	3.00 2.00 4.00 4.00	4.00 4.00 4.00 4.00	\$115 \$55 \$75 \$75
Course N BIOS BIOS PTA	201 202 200	erter P	Advanced Anatomy Kinesiology Fundamentals of Physical Therapy	T T T	3.00 3.00 3.00 3.00 1.00	3.00 2.00 4.00 4.00 0.00	4.00 4.00 4.00 4.00 1.00	\$115 \$55 \$75
Course N BIOS BIOS PTA PTA	201 202 200 203		Advanced Anatomy Kinesiology Fundamentals of Physical Therapy Physical Therapy Procedures	T T T	3.00 3.00 3.00 3.00	3.00 2.00 4.00 4.00	4.00 4.00 4.00 4.00	\$115 \$55 \$75 \$75
Course N BIOS BIOS PTA PTA EM	lo. 201 202 200 203 133		Advanced Anatomy Kinesiology Fundamentals of Physical Therapy Physical Therapy Procedures CPR for the Professional Rescuer	T T T T G	3.00 3.00 3.00 3.00 3.00 1.00 13.00	3.00 2.00 4.00 4.00 0.00	4.00 4.00 4.00 4.00 1.00	\$115 \$55 \$75 \$75
Course N BIOS BIOS PTA PTA EM	lo. 201 202 200 203 133 arter		Advanced Anatomy Kinesiology Fundamentals of Physical Therapy Physical Therapy Procedures CPR for the Professional Rescuer	T T T T G	3.00 3.00 3.00 3.00 1.00 13.00	3.00 2.00 4.00 4.00 0.00 13.00	4.00 4.00 4.00 4.00 1.00 17.00	\$115 \$55 \$75 \$75 \$25 Course Fee
Course N BIOS BIOS PTA PTA EM Fifth Qui Course N PTA	lo. 201 202 200 203 133 arter lo. 204		Advanced Anatomy Kinesiology Fundamentals of Physical Therapy Physical Therapy Procedures CPR for the Professional Rescuer  Course Name Musculoskeletal Problems	T T T T G	3.00 3.00 3.00 3.00 1.00 13.00	3.00 2.00 4.00 4.00 0.00 13.00	4.00 4.00 4.00 4.00 1.00 17.00	\$115 \$55 \$75 \$75 \$25 Course Fee \$55
Course N BIOS BIOS PTA PTA EM  Fifth Qui Course N PTA PTA	lo.  201 202 200 203 133  arter lo. 204 206		Advanced Anatomy Kinesiology Fundamentals of Physical Therapy Physical Therapy Procedures CPR for the Professional Rescuer  Course Name Musculoskeletal Problems PTA Clinical Experience I	T T T G G	3.00 3.00 3.00 3.00 1.00 13.00	3.00 2.00 4.00 4.00 0.00 13.00	4.00 4.00 4.00 4.00 1.00 17.00 Credit 4.00 5.00	\$115 \$55 \$75 \$75 \$25 Course Fee
Course N BIOS BIOS PTA PTA EM Fifth Qui Course N PTA PTA PTA PTA	lo.  201 202 200 203 133  arter lo.  204 206 211	Р	Advanced Anatomy Kinesiology Fundamentals of Physical Therapy Physical Therapy Procedures CPR for the Professional Rescuer  Course Name Musculoskeletal Problems PTA Clinical Experience I Pathophysiology of Disease	T T T G G T T T	3.00 3.00 3.00 3.00 1.00 13.00 Class 3.00 1.00 3.00	3.00 2.00 4.00 4.00 0.00 13.00	4.00 4.00 4.00 4.00 1.00 17.00 Credit 4.00 5.00 3.00	\$115 \$55 \$75 \$75 \$25 \$25 \$25
Course N BIOS BIOS PTA PTA EM Fifth Qui Course N PTA PTA PTA PTA EM	lo.  201 202 200 203 133  arter lo.  204 206 211 134		Advanced Anatomy Kinesiology Fundamentals of Physical Therapy Physical Therapy Procedures CPR for the Professional Rescuer  Course Name Musculoskeletal Problems PTA Clinical Experience I Pathophysiology of Disease Standard First Aid	T T T G T T T T G	3.00 3.00 3.00 3.00 1.00 13.00 Class 3.00 1.00 3.00 1.00	3.00 2.00 4.00 4.00 0.00 13.00 Lab 4.00 16.00 0.00	4.00 4.00 4.00 4.00 1.00 17.00 Credit 4.00 5.00 3.00 1.00	\$115 \$55 \$75 \$75 \$25 <b>Course Fee</b> \$55 \$25
Course N BIOS BIOS PTA PTA EM Fifth Qui Course N PTA PTA PTA PTA	lo.  201 202 200 203 133  arter lo.  204 206 211	Р	Advanced Anatomy Kinesiology Fundamentals of Physical Therapy Physical Therapy Procedures CPR for the Professional Rescuer  Course Name Musculoskeletal Problems PTA Clinical Experience I Pathophysiology of Disease	T T T G G T T T	3.00 3.00 3.00 3.00 1.00 13.00 Class 3.00 1.00 3.00 1.00 3.00	3.00 2.00 4.00 4.00 0.00 13.00 Lab 4.00 16.00 0.00 0.00	4.00 4.00 4.00 4.00 1.00 17.00 Credit 4.00 5.00 3.00 1.00 3.00	\$115 \$55 \$75 \$75 \$25 \$25 \$25
Course N BIOS BIOS PTA PTA EM Fifth Qui Course N PTA PTA PTA PTA EM	lo.  201 202 200 203 133  arter lo.  204 206 211 134	Р	Advanced Anatomy Kinesiology Fundamentals of Physical Therapy Physical Therapy Procedures CPR for the Professional Rescuer  Course Name Musculoskeletal Problems PTA Clinical Experience I Pathophysiology of Disease Standard First Aid	T T T G T T T T G	3.00 3.00 3.00 3.00 1.00 13.00 Class 3.00 1.00 3.00 1.00	3.00 2.00 4.00 4.00 0.00 13.00 Lab 4.00 16.00 0.00	4.00 4.00 4.00 4.00 1.00 17.00 Credit 4.00 5.00 3.00 1.00	\$115 \$55 \$75 \$75 \$25 <b>Course Fee</b> \$55 \$25
Course N BIOS BIOS PTA PTA EM Fifth Qui Course N PTA PTA PTA PTA EM	lo.  201 202 200 203 133  arter lo. 204 206 211 134 203	Р	Advanced Anatomy Kinesiology Fundamentals of Physical Therapy Physical Therapy Procedures CPR for the Professional Rescuer  Course Name Musculoskeletal Problems PTA Clinical Experience I Pathophysiology of Disease Standard First Aid Ethics, Values, and Morality	T T T G G <u>Type</u> T T T G G	3.00 3.00 3.00 3.00 1.00 13.00 1.00 3.00 1.00 3.00 11.00	3.00 2.00 4.00 4.00 0.00 13.00 Lab 4.00 16.00 0.00 0.00 0.00 20.00	4.00 4.00 4.00 4.00 1.00 17.00 Credit 4.00 5.00 3.00 1.00 3.00 16.00	\$115 \$55 \$75 \$75 \$25 <b>Course Fee</b> \$55 \$25
Course N BIOS BIOS PTA PTA EM Fifth Qu: Course N PTA PTA PTA PTA HUM Sixth Qu Course N	lo.  201 202 200 203 133  arter lo.  204 206 211 134 203  arter	Р	Advanced Anatomy Kinesiology Fundamentals of Physical Therapy Physical Therapy Procedures CPR for the Professional Rescuer  Course Name Musculoskeletal Problems PTA Clinical Experience I Pathophysiology of Disease Standard First Aid Ethics, Values, and Morality  Course Name	T T T T G G G Type	3.00 3.00 3.00 3.00 1.00 13.00 1.00 3.00 1.00 3.00 11.00	3.00 2.00 4.00 4.00 0.00 13.00 Lab 4.00 16.00 0.00 0.00 20.00	4.00 4.00 4.00 4.00 1.00 17.00 Credit 4.00 5.00 3.00 1.00 3.00 16.00	\$115 \$55 \$75 \$75 \$25 \$25 \$25 \$25 \$25 \$25 \$25
Course N BIOS BIOS PTA PTA EM Fifth Qui Course N PTA PTA EM HUM Sixth Qu Course N PTA	lo.  201 202 200 203 133  arter lo. 204 206 211 134 203  arter lo. 211	Р	Advanced Anatomy Kinesiology Fundamentals of Physical Therapy Physical Therapy Procedures CPR for the Professional Rescuer  Course Name Musculoskeletal Problems PTA Clinical Experience I Pathophysiology of Disease Standard First Aid Ethics, Values, and Morality  Course Name Cardiopulmonary Function	T T T G T T T G G	3.00 3.00 3.00 3.00 1.00 13.00  Class 3.00 1.00 3.00 1.00 3.00 11.00  Class 2.00	3.00 2.00 4.00 4.00 0.00 13.00 Lab 4.00 16.00 0.00 0.00 20.00	4.00 4.00 4.00 4.00 1.00 17.00 Credit 4.00 5.00 3.00 1.00 3.00 16.00	\$115 \$55 \$75 \$75 \$25 \$25 \$25 \$25 \$25 \$25 \$25 \$25 \$35
Fifth Quese North PTA PTA EM HUM	lo.  201 202 200 203 133  arter lo. 204 206 211 134 203  arter lo. 211 214	Р	Advanced Anatomy Kinesiology Fundamentals of Physical Therapy Physical Therapy Procedures CPR for the Professional Rescuer  Course Name Musculoskeletal Problems PTA Clinical Experience I Pathophysiology of Disease Standard First Aid Ethics, Values, and Morality  Course Name Cardiopulmonary Function Rehabilitation Procedures	T T T G G T T G G G	3.00 3.00 3.00 3.00 1.00 13.00  Class 3.00 1.00 3.00 1.00 3.00 11.00  Class 2.00 4.00	3.00 2.00 4.00 4.00 0.00 13.00 13.00 16.00 0.00 0.00 20.00 20.00	4.00 4.00 4.00 4.00 1.00 17.00 Credit 4.00 5.00 3.00 1.00 3.00 16.00	\$115 \$55 \$75 \$75 \$25 \$25 \$25 \$25 \$25 \$25 \$25 \$25 \$55 \$25
Course N BIOS BIOS PTA PTA EM PTA PTA PTA PTA HUM  Sixth Qu Course N PTA	lo.  201 202 200 203 133  arter lo. 204 206 211 134 203  arter lo. 210 214 216	Р	Advanced Anatomy Kinesiology Fundamentals of Physical Therapy Physical Therapy Procedures CPR for the Professional Rescuer  Course Name Musculoskeletal Problems PTA Clinical Experience I Pathophysiology of Disease Standard First Aid Ethics, Values, and Morality  Course Name Cardiopulmonary Function Rehabilitation Procedures PTA Clinical Experience II	T T T G G T T T G G G	3.00 3.00 3.00 3.00 3.00 1.00 13.00  Class 3.00 1.00 3.00 11.00  Class 2.00 4.00 1.00	3.00 2.00 4.00 4.00 0.00 13.00 Lab 4.00 0.00 0.00 0.00 20.00 Lab 3.00 4.00 16.00	4.00 4.00 4.00 4.00 1.00 17.00 Credit 4.00 5.00 3.00 1.00 3.00 16.00 Credit 3.00 5.00 5.00	\$115 \$55 \$75 \$75 \$25 \$25 \$25 \$25 \$25 \$25 \$25 \$25 \$25 \$2
Fifth Quese North PTA PTA EM HUM	lo.  201 202 200 203 133  arter lo. 204 206 211 134 203  arter lo. 211 214	Р	Advanced Anatomy Kinesiology Fundamentals of Physical Therapy Physical Therapy Procedures CPR for the Professional Rescuer  Course Name Musculoskeletal Problems PTA Clinical Experience I Pathophysiology of Disease Standard First Aid Ethics, Values, and Morality  Course Name Cardiopulmonary Function Rehabilitation Procedures	T T T G G T T G G G	3.00 3.00 3.00 3.00 1.00 13.00  Class 3.00 1.00 3.00 11.00  Class 2.00 4.00 1.00 1.00	3.00 2.00 4.00 4.00 0.00 13.00 16.00 0.00 0.00 20.00 4.00 4.00 16.00 0.00	4.00 4.00 4.00 4.00 1.00 17.00 Credit 4.00 5.00 3.00 1.00 3.00 16.00 Credit 3.00 5.00 5.00	\$115 \$55 \$75 \$75 \$25 \$25 \$25 \$25 \$25 \$25 \$25 \$25 \$55 \$25
Course N BIOS BIOS PTA PTA EM PTA PTA PTA PTA HUM  Sixth Qu Course N PTA	lo.  201 202 200 203 133  arter lo. 204 206 211 134 203  arter lo. 210 214 216	Р	Advanced Anatomy Kinesiology Fundamentals of Physical Therapy Physical Therapy Procedures CPR for the Professional Rescuer  Course Name Musculoskeletal Problems PTA Clinical Experience I Pathophysiology of Disease Standard First Aid Ethics, Values, and Morality  Course Name Cardiopulmonary Function Rehabilitation Procedures PTA Clinical Experience II	T T T G G T T T G G G	3.00 3.00 3.00 3.00 3.00 1.00 13.00  Class 3.00 1.00 3.00 11.00  Class 2.00 4.00 1.00	3.00 2.00 4.00 4.00 0.00 13.00 Lab 4.00 0.00 0.00 0.00 20.00 Lab 3.00 4.00 16.00	4.00 4.00 4.00 4.00 1.00 17.00 Credit 4.00 5.00 3.00 1.00 3.00 16.00 Credit 3.00 5.00 5.00	\$115 \$55 \$75 \$75 \$25 \$25 \$25 \$25 \$25 \$25 \$25 \$25 \$25 \$2
Course N BIOS BIOS PTA PTA EM PTA PTA PTA PTA HUM  Sixth Qu Course N PTA	lo.  201 202 200 203 133  arter lo. 204 206 211 134 203  arter lo. 210 214 216 104	Р	Advanced Anatomy Kinesiology Fundamentals of Physical Therapy Physical Therapy Procedures CPR for the Professional Rescuer  Course Name Musculoskeletal Problems PTA Clinical Experience I Pathophysiology of Disease Standard First Aid Ethics, Values, and Morality  Course Name Cardiopulmonary Function Rehabilitation Procedures PTA Clinical Experience II	T T T G G T T T G G G	3.00 3.00 3.00 3.00 1.00 13.00  Class 3.00 1.00 3.00 11.00  Class 2.00 4.00 1.00 1.00	3.00 2.00 4.00 4.00 0.00 13.00 16.00 0.00 0.00 20.00 4.00 4.00 16.00 0.00	4.00 4.00 4.00 4.00 1.00 17.00 Credit 4.00 5.00 3.00 1.00 3.00 16.00 Credit 3.00 5.00 5.00	\$115 \$55 \$75 \$75 \$25 \$25 \$25 \$25 \$25 \$25 \$25 \$25 \$25 \$2
Course N BIOS BIOS PTA PTA EM PTA PTA PTA PTA HUM  Sixth Qu Course N PTA	lo.  201 202 200 203 133  arter lo.  204 206 211 134 203  arter lo.  210 214 216 104  Quarter	Р	Advanced Anatomy Kinesiology Fundamentals of Physical Therapy Physical Therapy Procedures CPR for the Professional Rescuer  Course Name Musculoskeletal Problems PTA Clinical Experience I Pathophysiology of Disease Standard First Aid Ethics, Values, and Morality  Course Name Cardiopulmonary Function Rehabilitation Procedures PTA Clinical Experience II	T T T T T T T T T T T T T T T T T T T	3.00 3.00 3.00 3.00 1.00 13.00  Class 3.00 1.00 3.00 11.00  Class 2.00 4.00 1.00 1.00	3.00 2.00 4.00 4.00 0.00 13.00 16.00 0.00 0.00 20.00 4.00 4.00 16.00 0.00	4.00 4.00 4.00 4.00 1.00 17.00 Credit 4.00 5.00 3.00 1.00 3.00 16.00 Credit 3.00 5.00 5.00	\$115 \$55 \$75 \$75 \$25 \$25 \$25 \$25 \$25 \$25 \$25 \$25 \$25 \$2
Course N BIOS BIOS PTA PTA EM PTA PTA PTA PTA HUM  Sixth Qu Course N PTA	lo.  201 202 200 203 133  arter lo. 204 206 211 134 203  arter lo. 210 214 216 104	Р	Advanced Anatomy Kinesiology Fundamentals of Physical Therapy Physical Therapy Procedures CPR for the Professional Rescuer  Course Name Musculoskeletal Problems PTA Clinical Experience I Pathophysiology of Disease Standard First Aid Ethics, Values, and Morality  Course Name Cardiopulmonary Function Rehabilitation Procedures PTA Clinical Experience II Job Search Techniques  Course Name PTA Clinical Issues and Role Transition	T T T T T G G G Type T T T G G G Type T T T G G G T T T T G G G T T T T T T	3.00 3.00 3.00 3.00 3.00 1.00 13.00  1.00 3.00 1.00 3.00 11.00 3.00 11.00  Class 2.00 4.00 1.00 1.00 8.00	3.00 2.00 4.00 4.00 0.00 13.00 16.00 0.00 0.00 20.00 20.00 16.00 0.00 23.00	4.00 4.00 4.00 4.00 4.00 1.00 17.00  Credit 4.00 5.00 3.00 1.00 3.00 16.00  Credit 3.00 5.00 5.00 1.00 1.00 1.00	\$115 \$55 \$75 \$75 \$25 \$25 \$25 \$25 \$25 \$25 \$5 \$25 \$10
Course N BIOS BIOS PTA PTA EM PTA PTA PTA PTA HUM  Sixth Qu Course N PTA	lo.  201 202 200 203 133  arter lo. 204 206 211 134 203  arter lo. 210 214 216 104  Quarter lo.	Р	Advanced Anatomy Kinesiology Fundamentals of Physical Therapy Physical Therapy Procedures CPR for the Professional Rescuer  Course Name Musculoskeletal Problems PTA Clinical Experience I Pathophysiology of Disease Standard First Aid Ethics, Values, and Morality  Course Name Cardiopulmonary Function Rehabilitation Procedures PTA Clinical Experience II Job Search Techniques  Course Name	T T T T T T G G G Type T T T T G G G Type T T T G G G Type T T T G G G Type T T T T G G	3.00 3.00 3.00 3.00 3.00 1.00 13.00  Class 3.00 1.00 3.00 1.00 3.00 11.00  Class 2.00 4.00 1.00 8.00  Class 2.00 0.00	3.00 2.00 4.00 4.00 0.00 13.00 16.00 0.00 0.00 20.00 20.00 Lab 3.00 4.00 16.00 0.00 23.00	4.00 4.00 4.00 4.00 4.00 1.00 17.00  Credit 4.00 5.00 3.00 1.00 16.00  Credit 3.00 5.00 5.00 1.00 1.00 1.00 1.00 1.00 1	\$115 \$55 \$75 \$75 \$25 \$25 \$25 \$25 \$25 \$25 \$5 \$25 \$10
Course N BIOS BIOS PTA PTA EM PTA PTA PTA PTA HUM  Sixth Qu Course N PTA	lo.  201 202 200 203 133  arter lo. 204 206 211 134 203  arter lo. 210 214 216 104	Р	Advanced Anatomy Kinesiology Fundamentals of Physical Therapy Physical Therapy Procedures CPR for the Professional Rescuer  Course Name Musculoskeletal Problems PTA Clinical Experience I Pathophysiology of Disease Standard First Aid Ethics, Values, and Morality  Course Name Cardiopulmonary Function Rehabilitation Procedures PTA Clinical Experience II Job Search Techniques  Course Name PTA Clinical Issues and Role Transition	T T T T T G G G Type T T T G G G Type T T T G G G T T T T G G G T T T T T T	3.00 3.00 3.00 3.00 3.00 1.00 13.00  Class 3.00 1.00 3.00 11.00  Class 2.00 4.00 1.00 1.00 8.00  Class 2.00 4.00 1.00 1.00 8.00	3.00 2.00 4.00 4.00 0.00 13.00 16.00 0.00 0.00 20.00 20.00 4.00 16.00 0.00 23.00	4.00 4.00 4.00 4.00 4.00 1.00 17.00  Credit 4.00 5.00 3.00 1.00 16.00  Credit 3.00 5.00 5.00 1.00 1.00 1.00 1.00 1.00 1	\$115 \$55 \$75 \$75 \$25 \$25 \$25 \$25 \$25 \$25 \$25 \$25 \$35 \$25 \$35 \$25 \$310
Course N BIOS BIOS PTA PTA EM Fifth Qui Course N PTA PTA EM HUM  Sixth Qu Course N PTA PTA COMM  Seventh Course N PTA	lo.  201 202 200 203 133  arter lo. 204 206 211 134 203  arter lo. 210 214 216 104	P	Advanced Anatomy Kinesiology Fundamentals of Physical Therapy Physical Therapy Procedures CPR for the Professional Rescuer  Course Name Musculoskeletal Problems PTA Clinical Experience I Pathophysiology of Disease Standard First Aid Ethics, Values, and Morality  Course Name Cardiopulmonary Function Rehabilitation Procedures PTA Clinical Experience II Job Search Techniques  Course Name PTA Clinical Issues and Role Transition	T T T T T G G G Type T T T G G G Type T T T G G G	3.00 3.00 3.00 3.00 3.00 1.00 13.00  Class 3.00 1.00 3.00 1.00 3.00 11.00  Class 2.00 4.00 1.00 8.00  Class 2.00 0.00	3.00 2.00 4.00 4.00 0.00 13.00 16.00 0.00 0.00 20.00 20.00 Lab 3.00 4.00 16.00 0.00 23.00	4.00 4.00 4.00 4.00 4.00 1.00 17.00  Credit 4.00 5.00 3.00 1.00 16.00  Credit 3.00 5.00 5.00 1.00 1.00 1.00 1.00 1.00 1	\$115 \$55 \$75 \$75 \$25 \$25 \$25 \$25 \$25 \$25 \$25 \$25 \$10 \$25 \$35 \$25 \$35 \$25 \$35 \$25 \$35 \$25 \$35 \$25 \$35 \$25

Technical Credit Hours General Credit Hours Total Credit Hours

55.00 55.00-56.00 110.00-111.00

## Radiologic Technology

For students entering June, 2002 through May, 2003

		,	γ,					
First Qua	arter							
Course N			Course Name	Type	Class	Lab	Credit	Course Fee
ALH	103		Introduction to Health Care Delivery	G	3.00	0.00	3.00	Course ree
BIOS	112		The Human Organism	Ğ	3.00	2.00		¢20
COMM	122	Р	Communications II	Ğ	3.00	0.00	3.00	\$30
HLTH	101	'	Medical Terminology I	G			3.00	\$20
HLTH	136		Introduction to Health Care Practice		3.00	0.00	3.00	
MATH	113			G	1.00	2.00	2.00	
WAIT	113		Comprehensive College Algebra	G	5.00	0.00	5.00	\$16
Second (	)autau				18.00	4.00	19.00	
			Course Nouse	-				_
Course N			Course Name	<u>Type</u>	Class	<u>Lab</u>	<u>Credit</u>	Course Fee
RAT	121		Introduction to Radiology and Positioning	Ţ	3.00	2.00	4.00	
RAT	131		Patient Care In Radiology	Ţ	1.00	2.00	2.00	
BIOS	114		Anatomy and Physiology II	G	3.00	2.00	3.00	\$30
COMM	123A	Р	Communications III - Job Communication	G	3.00	0.00	3.00	\$20
					10.00	6.00	12.00	
Third Qu								
Course N			Course Name	<u>Type</u>	<u>Class</u>	<u>Lab</u>	<u>Credit</u>	Course Fee
RAT	111		Clinical Education I	T	0.00	16.00	4.00	
RAT	122		Radiographic Positioning	T	3.00	2.00	4.00	
RAT	265		Seminar In Radiology	T	1.00	0.00	1.00	
ALH	104		Allied Health Informatics	G	1.00	2.00	2.00	
BIOS	113		Anatomy and Physiology I	Ğ	3.00	2.00	3.00	\$30
5.05	110		And tonly and thysiology i	0	8.00	22.00	14.00	\$30
Summer	Quarter				0.00	22.00	14.00	
Course N			Course Name	Type	Class	Loh	Cundit	C
		ardina co	urse offerings.	Type	Class	Lab	Credit	Course Fee
Jee your	advisor reg	aruning Co	uise offerings.					
Fourth Q	luarter							
			Cause Name	T	01		0 "	
Course N			Course Name	<u>Type</u> T	Class	<u>Lab</u>	<u>Credit</u>	Course Fee
RAT	112		Clinical Education II		0.00	16.00	4.00	
RAT	123		Fluoroscopy In Radiology	T	4.00	2.00	5.00	
PHY	106		Physics for Radiologic Technology	G	4.00	2.00	5.00	
					8.00	20.00	14.00	
Fifth Qu	arter							
Course N	lo.		Course Name	Type	Class	Lab	Credit	Course Fee
RAT	212		Clinical Education IV	T	0.00	24.00	6.00	***************************************
RAT	218		Advanced Radiographic Practice	T	2.00	0.00	2.00	
RAT	219		Pharmacology for Radiography	T	1.00	0.00	1.00	
RAT	222		Principles of Radiographic Technique	Ť	4.00	2.00	5.00	
***			Timespres of Nadrograpine recinique		7.00	26.00	14.00	
Sixth Qu	arter				7.00	20.00	14.00	
Course N			Course Name	Type	Class	Lab	Credit	Course Fee
RAT	199		Computers In Medical Imaging	T	2.00	0.00		Course ree
RAT	213		Clinical Education V	†			2.00	
RAT	231				0.00	24.00	6.00	
			Sectional Anatomy	T	2.00	2.00	3.00	
SOCI	160		Introduction to Sociology	G	3.00	0.00	3.00	\$7
C	0				7.00	26.00	14.00	
Seventh			0 11	_				
Course N	Name and Address of the Address of t		Course Name	Type	Class	<u>Lab</u>	Credit	Course Fee
RAT	211		Clinical Education III	T	0.00	24.00	4.00	
RAT	215		Pathology for Radiographers	T	2.00	0.00	2.00	
RAT	217		Special Procedures In Radiography	T	1.00	0.00	1.00	
PSYC	154		Interpersonal Relationships	G	3.00	0.00	3.00	\$7
SOCI	165		Cross Cultural Studies	G	3.00	0.00	3.00	\$7
					9.00	24.00	13.00	T.
Eighth Q	uarter				•			
Course N			Course Name	Type	Class	Lab	Credit	Course Fee
RAT	214		Clinical Education VI	T	0.00	24.00	4.00	COMISC I CC
RAT	226		Synopsis In Radiography	Ť	2.00	0.00	2.00	
RAT	232		Radiation Biology	Ϋ́	2.00	0.00	2.00	
HUM	203		Ethics, Values, and Morality	G	3.00	0.00		¢E
110101	200		conce, values, and morality	J			3.00	\$5
					7.00	24.00	11.00	

Technical Credit Hours 64.00 General Credit Hours 47.00 Total Credit Hours 111.00

Radiologic Notes: Required prerequisites for admission to the Radiologic Technology: PHYS 103 (Physics), 3 credits, or high school physics within the last five years.

All courses in the first quarter are required prerequisites to the second quarter.

Recommended prerequisite: BIOS 112 (The Human Organism), 3 credits.

To meet clinical affiliate requirements, students are required to maintain certification in Basic Life Support (CPR). BLS for health care providers offered through the American Heart Association or the American Red Cross is also acceptable. EM 133 (CPR for the Professional Rescuer), 1 credit, also satisfies this requirement and provides certification for two years.

# Surgical/Operating Room Technology For students entering June, 2002 through May, 2003

First Qu	. autau							
Course I			Course Name	Type	Class	Lab	Credit	Course Fee
ST	100		Fundamentals of Surgical Technology Lab	T	0.00	4.00	2.00	\$50
ST	101		Patient Care Concepts Laboratory	T	0.00	4.00	2.00	\$50
STCT	4631		Fundamentals of Surgical Techology - Theory (COTC4631)	T	3.00	0.00	3.00	\$26
STCT	4633		Patient Care Concepts - Theory (COTC4633)	T	3.00	0.00	3.00	\$26
BIOS	110		Human Anatomy and Physiology I - Lab (COTC4016)	G	0.00	2.00	1.00	\$76
HLTH	101		Medical Terminology I	G	3.00	0.00	3.00	
STCT	4016		Human Anatomy and Physiology I - Theory	G	5.00 5.00	0.00	5.00 5.00	
3.0.	.0.0		(COTC4016)	J	14.00	10.00	19.00	
Second	Quarter							
Course !	No.		Course Name	Type	Class	Lab	Credit	Course Fee
ST	110		Basic Case Preparation - Lab	T	0.00	2.00	1.00	
ST	111		Surgical Procedures I - Clinical	T	0.00	15.00	3.00	\$25
STCT	4635		Basic Case Preparation - Theory (COTC4635)	T	2.00	0.00	2.00	*
STCT	4637		Surgical Procedures I - Theory (COTC4637)	T	2.00	0.00	2.00	
BIOS	111		Human Anatomy and Physiology II - Lab (COTC 4026)	G	0.00	2.00	1.00	\$76
COMM	122	Р	Communications II	G	3.00	0.00	3.00	\$20
STCT	4026		Human Anatomy and Physiology II - Theory	Ğ	5.00	0.00	5.00	Ψ20
			(COTC4026)		12.00	19.00	17.00	
Third Qu	uarter							
Course N	<u>٧٥.</u>		Course Name	Type	Class	<u>Lab</u>	Credit	Course Fee
ST	120		Surgical Procedures II - Clinical	T	0.00	15.00	3.00	\$25
STCT	4601		Pharmacology for Surgical Assistants (COTC4601)	T	3.00	0.00	3.00	
STCT	4639		Surgical Procedures II - Theory (COTC4601)	T	2.00	0.00	2.00	
COMM	123	Р	Communications III	G	3.00	0.00	3.00	\$20
MICR	201		Microbiology	G	4.00	1.00	4.00	\$15
					12.00	16.00	15.00	
Fourth C	Quarter							
Course N	No.		Course Name	Type	Class	Lab	Credit	Course Fee
ST	200		Surgical Procedures III - Clinical	T	0.00	15.00	3.00	\$25
ST	201		Pediatric Surgery - Clinical	T	0.00	5.00	1.00	\$25
STCT	4641		Surgical Procedures III - Theory (COTC4641)	T	2.00	0.00	2.00	,
STCT	4643		Pediatric Surgery - Theory (COTC4643)	T	2.00	0.00	2.00	
MICS	121		Microsoft Office	G	2.00	3.00	3.00	\$45
PSYC	154		Interpersonal Relationships	G	3.00	0.00	3.00	\$7
			·		9.00	23.00	14.00	Ψ,
Fifth Qu								
Course N			Course Name	Type	Class	<u>Lab</u>	Credit	Course Fee
ST	210		Advanced Surgical Technologist Practicum - Clinical	T	0.00	15.00	3.00	\$25
STCT	4645		Advanced Surgical Technologist Practicum (COTC4645)	T	2.00	0.00	2.00	
STCT	4647		Professional Trends and Issues in Surgical Technology (COTC4647)	T	3.00	0.00	3.00	
PSYC	101		General Psychology	G	5.00	0.00	5.00	\$7
SOCI	•••		Social Science Elective (Required)	Ğ	5.00	0.00	5.00	Ψ7
3001			Social Science Elective (negative)	J	15.00	15.00	18.00	
Sixth Qu	uarter							
Course N	<u>Vo.</u>		Course Name	Type	Class	<u>Lab</u>	Credit	Course Fee
ST	220		Specialty Surgical Practice - Clinical	T	0.00	15.00	3.00	\$25
STCT	4649		Surgical Technology Seminar (COTC4649)	Ť	2.00	0.00	2.00	+
STCT	4651		Specialty Surgical Practice Theory (COTC4651)	Ť	2.00	0.00	2.00	
MATH	113		Comprehensive College Algebra	Ġ	5.00	0.00	5.00	\$16
					9.00	15.00	12.00	* · ·

Technical Credit Hours General Credit Hours 49.00 46.00 95.00 Total Credit Hours

Surgical/Operating Room Notes: All students must have CPR for the Professional Rescuer (EM 133) prior to the beginning of the second quarter.

## School of Health and Nursing Certificates

## Certificates of Completion

#### Electrocardiograph Technician

Objective: To prepare the student for entry level employment as an EKG technician.

Course No.		Course Name	Credits
MA	200	Advanced Clinical Assisting	5
		Procedures	
		or	
MA	239	Principles and Techniques of Electrocardiography	1
		Electrocardiography	1-5

#### Phlebotomist

Objective: The student will learn the skills necessary for successful venipuncture. The student will also have the opportunity to visit a laboratory to observe the roll of the phlebotomist. Venipuncture will be performed in the laboratory preceptor.

Course N	<u>√o.</u>	Course Name	Credits
HLTH	132	How to Obtain Blood Samples	1
HLTH	133	How to Obtain Blood Samples Clinica	0.5
			1.5

## Occupational Certificates

#### Coding Clerk

Objective: To prepare the student for a position as an outpatient ICD-9-CM/CPT coding specialist in an acute care hospital, large group physician practice or insurance company.

Course	No.	<u>Course Name</u>	<u>Credits</u>
HLTH	101	Medical Terminology I	3
BIOS	113	Anatomy and Physiology I	3
HLTH	111	Medical Terminology II	3
BIOS	114	Anatomy and Physiology II	3
BIOS	125	Basic Pathology	2
HIM	120	Basic Coding Elements	3
HIM	203	Applied Concepts of Coding	3
HIM	215	Interpreting Diagnostic Data	2
BIOS	112	The Human Organism	3
			25

#### Dietary Manager

Objective: This program is designed to prepare the student to manage food service operations in health care and other institutional facilities

1000 3011	nee op	Clations	in nearth care and other institutional i	acilitics.
Course N	No.		Course Name	Credits
DT	101		Dietetic Directed Practice I	2
DT	102	P	Basic Nutrition	5
CULA	109		Safety and Sanitation	2
			or	
HOTR	110		Quality Sanitation Management	2
DT	103		Food Preparation Principles	3
DT	106		Food Production Management	3
DT	111		Dietetic Directed Practice II	2
DT	120	P	Normal and Modified Menu Planning	3
DT	119		Food Purchasing for Health Care	3
			Institutions	
DT	121		Dietetic Directed Practice III	2
DT	122		Supervision in Dietetics	3
DT	110	Р	Applied Nutrition	3
				31

#### Early Child Development and Nanny

Objective: Prepares students to provide child care in private homes as nannies or child care centers. This program has bene reviewed and critiqued by the faculty from the Nanny Program at Havering College, Hornchurch, England. Clinical experience for the program is obtained at day care centers, head start programs, preschool programs, and in selected private homes.

Course No.	Course Name	<u>Credits</u>
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EDEC EDEC GS BIOS COMM PSYC EDEC EDEC DT EM EM PSYC SOCI EDEC EDEC EDEC EDEC	110 100 133 100 115 150 111 120 110 A 133 134 162 161 115 115	PPP	Child Care Practicum I Fundamentals of Child Care Defensive Driving Health Science: The Human Machine Children's Literature Introduction to Psychology Child Care Practicum II Creative Activities for Children Maternal and Infant Nutrition CPR for the Professional Rescuer Standard First Aid Child/Adolescent Development Sociology of Family Living Dynamics of Child Care Child Care Practicum III Food Preparation Principles for	2 3 0.25 3 3 2 4 1 1 1 4 3 3 2 2
COMM	122 135	Р	Children Communications II Verbal Career Skills	3
PSYC	140		Issues in Child Development	4 47.25

## Health Information Management Clerk

Objective: To prepare the student for entry-level employment as a unit secretary in an acute care hospital or as a receptionist/secretary in a healthcare facility.

	are racini	٠,٠		
Course No.			Course Name	Credits
HLTH	101		Medical Terminology I	3
HLTH	111		Medical Terminology II	3
HIM	100		Health Information and Health	3
			Agency Orientation	
HIM	110		Health Records and Procedures I	3
HIM	121		Health Records and Procedures II	3
BIOS	112		The Human Organism	3
BIOS	113		Anatomy and Physiology I	3
BIOS	114		Anatomy and Physiology II	3
MICS	112		Introduction to DOS	1
MICS	142		Introduction to Access	1
OAT	180	Ρ	Keyboarding	1
			-	27

### Massage Therapy

Objective: To prepare individuals for entry level careers as massage therapists.

O 111
<u>Credits</u>
3
4
3
1
11 4
1
3
III 4
3
IV 4
3
V 4
2
3
4
<u>3</u>
49

#### Medical Transcriptionist

Objective: To prepare students for entry level positions as Medical Transcriptionists.

Hansen	ptionists	٠.		
Course	No.		Course Name	Credits
COMM	101		Spelling Skills	1
COMM	150		Punctuation and Grammar	2
BIOS	112		The Human Organism	3
HLTH	101		Medical Terminology I	3
OAT	100	Р	Information Processing	2
HLTH	111		Medical Terminology II	3
OAT	211		Word Processing - Word Perfect	3
			nr	

OAT	216	Word Processing - MS Word	3
MA	115	Medical Transcription	<u>3</u>
			20

Surgical	Assistar	ıt		
Course No.			Course Name	Credits
ST	100		Fundamentals of Surgical Technology Lab	2
ST	101		Patient Care Concepts Laboratory	2
STCT	4631		Fundamentals of Surgical Technology – Theory	3
STCT	4633		Patient Care Concepts - Theory	3
BIOS	110		Human Anatomy and Physiology I – Lab	1
HLTH	101		Medical Terminology I	3
STCT	4016		Human Anatomy and Physiology I - Theory	5
ST	110		Basic Care Preparation - Lab	1
ST	111		Surgical Procedures I - Clinical	3
STCT	4635		Basic Care Preparation - Theory	2
STCT	4637		Surgical Procedures I - Theory	2
BIOS	111		Human Anatomy and Physiology II - Lab	1
COMM	122	Р	Communications II	3
STCT	4026		Human Anatomy and Physiology II - Theory	5
ST	120		Surgical Procedures II - Clinical	3
STCT	4601		Pharmacology for Surgical Assistants	3
STCT	4639		Surgical Procedures II - Theory	2
MICR	201		Microbiology	4
ST	200		Surgical Procedures III - Clinical	3
ST	201		Pediatric Surgery - Clinical	1
STCT	4641		Surgical Procedures III - Theory	2
STCT	4643		Pediatric Surgery - Theory	2
				56

## **Technical Certificate**

Medical Assistant
Objective: To prepare the student for an entry level, non-certified position as a Medical Assistant

Course N		icai As	Course Name	Credits
HLTH	101		Medical Terminology I	3
MA	100		Basic Clinical Assisting Procedures	
MA	102		Medical Office Procedures I	2
BIOS	112		The Human Organism	5 2 3
OAT	100	Р	Information Processing	2
HLTH	111		Medical Terminology II	2
MA	110		Family Practice Clinical Assisting Procedures	4
MA	112		Medical Law and Ethics	3
MA	122		Medical Office Procedures II	2
MA	221		Medical Management	4
			Computerization	
MA	115		Medical Transcription	3
MA	120		Obstetrics, Gynecology, Pediatrics	4
			Clinical Assisting Procedures	
MA	223		Computer Applications in Medical Assisting	2
EM	133	P	CPR for the Professional Rescuer	1
EM	134	Ρ	Standard First Aid	1
MATH	104	Ρ	Pharmacology Math	1
MA	200		Advanced Clinical Assisting Procedures	5
MA	202		Basic Pharmacology for Medical Assistants	4
MA	203		Medical Assistant Externship I	4
MA	204		Medical Assistant Externship II	4
MA	222		Medical Office Procedures III	4
MA	205		Medical Assistant Externship III	4
MA	220		Medical Laboratory Procedures	6
COMM	104		Job Search Techniques	1
MA	224		Advanced Pharmacology for Medical	
			Assistants	<u>3</u> 76
				76

## School of Hospitality

## Technical Programs

Programs leading to an Associate Degree, Diploma or Technologist Certification.

Culinary Arts Hotel and Restaurant Management

### Certificate Programs

Programs providing specific technical skills.

## Certificate of Completion

Awarded for successful completion of a course or series of courses (less than twelve credit hours) leading to acquisition of specific knowledge and skills.

Bartender Training

## Occupational Certificate

Awarded for successful completion of twelve or more credit hours in which the individual acquires knowledge and skills that are directly applicable to specific entry level employment.

Bake Shop Operations
Baking Certificate
Bar Management
Cooking
Engineering and Facility Management
Executive Housekeeping Management Specialist
Food and Beverage Management Specialist
Marketing and Sales Management Specialist
Rooms Division Management
Rooms Division Management Specialist

## **Technical Certificates**

Awarded for successful completion of a prescribed sequence of courses within a given technology in which the certificate is offered. The total credit hours are at least 50% of the number required for the associate degree in that technology. The technical component will be 27–33 quarter hours with the balance being in general courses.

Food Service Management Hospitality Management

## Technologist Certificate

Awarded for successful completion of higher level courses which provide academic rigor and depth beyond the associate degree. These courses may serve as a bridge to a baccalaureate degree program.

Culinary Arts Hotel and Restaurant Management

## Culinary Arts For students entering June, 2002 through May, 2003

First Quarter							
Course No.		Course Name	Type	Class	Lab	Credit	Course Fee
CULA 111		Stocks, Sauces, and Soups	T	2.00	3.00	3.00	\$100
CULA 240		Festival Catering Production	Ť	1.00	1.00	1.00	\$100
COMM 122	Р	Communications II	G	3.00	0.00	3.00	\$20
CULA 101		Introduction to Culinary Arts	G	2.00	1.00	2.00	\$125
CULA 109		Safety and Sanitation	G	2.00	1.00	2.00	<b>*</b> · · · ·
CULA 150		Nutrition in Community Food Service Operations	G	3.00	0.00	3.00	
EM 134	Р	Standard First Aid	G	1.00	0.00	1.00	\$25
MATH 108 B		Introduction to Algebra for Business	G	3.00	<u>1.00</u>	3.00	\$16
				17.00	7.00	18.00	
Second Quarter							
Course No.		Course Name	Type	Class	Lab	Credit	Course Fee
CULA 112		Salads, Sandwiches, and Eggs	T	2.00	3.00	3.00	\$100
CULA 115		Breads and Baking Basics	Ť	2.00	3.00	3.00	\$100
CULA 201		Culinary Arts Lab I	T	1.00	15.00	6.00	\$50
CULA 145		Food Production Identification and Purchasing	G	3.00	0.00	3.00	\$25
MICS 121		Microsoft Office	G	2.00	3.00	3.00	\$45
				10.00	24.00	18.00	
Third Quarter							
Course No.		Course Name	Type	Class	Lab	Credit	Course Fee
CULA 106		Meat, Poultry, and Seafood Processing	T	2.00	3.00	3.00	\$175
CULA 113		A La Carte Cookery	Ť	1.00	4.00	3.00	\$150
CULA 125		Basic Table Service	Ť	2.00	3.00	3.00	\$25
COMM 123	Р	Communications III	G	3.00	0.00	3.00	\$20
PSYC 154		Interpersonal Relationships	G	3.00	0.00	3.00	\$7
ACC 100	Р	Accounting I	G	2.00	3.00	3.00	\$5
HOTO		or David Silvaria					
HOTR 140		Basic Financial Accounting	G	3.00 13.00-14.00	0.00	3.00	\$25
				13.00-14.00	10.00-13.00	18.00	
Summer Quarter							
Course No.		Course Name	Type	Class	Lab	Credit	Course Fee
See your advisor regard	d:	a offerings					
see your advisor regard	aing cours	e orrenings.					
	aing cours	e offerings.					
Fourth Quarter	aing cours	-	Tyne	Class	lah	Cradit	Course Fee
Fourth Quarter Course No.	aing cours	Course Name	<u>Type</u>	Class	<u>Lab</u>	Credit	Course Fee
Fourth Quarter	aing cours	-	<u>Type</u> T	2.00	40.00	6.00	Course Fee \$25
Fourth Quarter Course No. CULA 294	aing cours	Course Name					
Fourth Quarter Course No. CULA 294	aing cours	<u>Course Name</u> Culinary Arts Cooperative Work Experience	T	<u>2.00</u> 2.00	<u>40.00</u> 40.00	6.00	
Fourth Quarter Course No. CULA 294 Fifth Quarter Course No.	aing cours	Course Name Culinary Arts Cooperative Work Experience Course Name	T <u>Ype</u>	2.00 2.00	40.00 40.00 Lab	6.00 6.00 Credit	\$25 Course Fee
Fourth Quarter Course No. CULA 294 Fifth Quarter Course No. CULA 105	aing cours	Course Name Culinary Arts Cooperative Work Experience  Course Name Pastries and Desserts	Type	2.00 2.00 Class 1.00	40.00 40.00 Lab 4.00	6.00 6.00 Credit 3.00	\$25 <u>Course Fee</u> \$125
Fourth Quarter Course No. CULA 294  Fifth Quarter Course No. CULA 105 CULA 107	aing cours	Course Name Culinary Arts Cooperative Work Experience  Course Name Pastries and Desserts Basic Garde Manger	Type T	2.00 2.00 2.00 Class 1.00 1.00	40.00 40.00 Lab 4.00 4.00	6.00 6.00 Credit 3.00 3.00	\$25 <u>Course Fee</u> \$125 \$150
Fourth Quarter Course No. CULA 294  Fifth Quarter Course No. CULA 105 CULA 107 CULA 116	aing cours	Course Name Culinary Arts Cooperative Work Experience  Course Name Pastries and Desserts Basic Garde Manger Hospitality Menu Planning	Type T T T	2.00 2.00 2.00 Class 1.00 1.00 2.00	40.00 40.00 Lab 4.00 4.00 1.00	6.00 6.00 Credit 3.00 3.00 2.00	\$25 Course Fee \$125 \$150 \$50
Fourth Quarter Course No. CULA 294  Fifth Quarter Course No. CULA 105 CULA 107 CULA 116 CULA 218		Course Name Culinary Arts Cooperative Work Experience  Course Name Pastries and Desserts Basic Garde Manger Hospitality Menu Planning American Regional Cuisine	Type T T T T	2.00 2.00 2.00 2.00 1.00 2.00 1.00	40.00 40.00 Lab 4.00 4.00 1.00 4.00	6.00 6.00 Credit 3.00 3.00 2.00 3.00	\$25 <u>Course Fee</u> \$125 \$150
Fourth Quarter Course No. CULA 294  Fifth Quarter Course No. CULA 105 CULA 107 CULA 116 CULA 218 SUPR 117	P	Course Name Culinary Arts Cooperative Work Experience  Course Name Pastries and Desserts Basic Garde Manger Hospitality Menu Planning American Regional Cuisine Hospitality Supervision	Type T T T T T	2.00 2.00 2.00 1.00 2.00 1.00 3.00	40.00 40.00 40.00 4.00 4.00 1.00 4.00 0.00	6.00 6.00 Credit 3.00 3.00 2.00 3.00 3.00 3.00	\$25 <u>Course Fee</u> \$125 \$150 \$50 \$150
Fourth Quarter Course No. CULA 294  Fifth Quarter Course No. CULA 105 CULA 107 CULA 116 CULA 218		Course Name Culinary Arts Cooperative Work Experience  Course Name Pastries and Desserts Basic Garde Manger Hospitality Menu Planning American Regional Cuisine Hospitality Supervision Speech	Type T T T T	2.00 2.00 2.00 2.00 1.00 2.00 1.00	40.00 40.00 Lab 4.00 4.00 1.00 4.00	6.00 6.00 Credit 3.00 3.00 2.00 3.00	\$25 Course Fee \$125 \$150 \$50
Fourth Quarter Course No. CULA 294  Fifth Quarter Course No. CULA 105 CULA 107 CULA 116 CULA 218 SUPR 117		Course Name Culinary Arts Cooperative Work Experience  Course Name Pastries and Desserts Basic Garde Manger Hospitality Menu Planning American Regional Cuisine Hospitality Supervision	Type T T T T T	2.00 2.00 2.00 1.00 2.00 1.00 3.00	40.00 40.00 40.00 4.00 4.00 1.00 4.00 0.00 0	6.00 6.00 Credit 3.00 3.00 2.00 3.00 3.00 3.00 3.00	Course Fee \$125 \$150 \$50 \$150 \$10
Fourth Quarter Course No. CULA 294  Fifth Quarter Course No. CULA 105 CULA 107 CULA 116 CULA 218 SUPR 117 COMM 130		Course Name Culinary Arts Cooperative Work Experience  Course Name Pastries and Desserts Basic Garde Manger Hospitality Menu Planning American Regional Cuisine Hospitality Supervision Speech or	Type T T T T T G G	2.00 2.00 2.00 1.00 1.00 2.00 1.00 3.00 3.00	40.00 40.00 40.00 4.00 4.00 1.00 4.00 0.00	6.00 6.00 Credit 3.00 3.00 2.00 3.00 3.00 3.00	\$25 <u>Course Fee</u> \$125 \$150 \$50 \$150
Fourth Quarter Course No. CULA 294  Fifth Quarter Course No. CULA 105 CULA 107 CULA 116 CULA 218 SUPR 117 COMM 130  COMM 135		Course Name Culinary Arts Cooperative Work Experience  Course Name Pastries and Desserts Basic Garde Manger Hospitality Menu Planning American Regional Cuisine Hospitality Supervision Speech or	Type T T T T T G G	2.00 2.00 2.00 2.00 1.00 2.00 1.00 3.00 3.00	40.00 40.00 40.00 4.00 4.00 1.00 4.00 0.00 0	6.00 6.00 Credit 3.00 3.00 2.00 3.00 3.00 3.00 3.00	Course Fee \$125 \$150 \$50 \$150 \$10
Fourth Quarter Course No. CULA 294  Fifth Quarter Course No. CULA 105 CULA 107 CULA 116 CULA 218 SUPR 117 COMM 130  COMM 135  Sixth Quarter		Course Name Culinary Arts Cooperative Work Experience  Course Name Pastries and Desserts Basic Garde Manger Hospitality Menu Planning American Regional Cuisine Hospitality Supervision Speech or Verbal Career Skills	Type T T T T G G	2.00 2.00 2.00 1.00 1.00 2.00 1.00 3.00 3.00 3.00	40.00 40.00 40.00 4.00 4.00 4.00 0.00 0	6.00 6.00 6.00 Credit 3.00 3.00 2.00 3.00 3.00 3.00 3.00	\$25 Course Fee \$125 \$150 \$50 \$150 \$10
Fourth Quarter Course No. CULA 294  Fifth Quarter Course No. CULA 105 CULA 107 CULA 116 CULA 218 SUPR 117 COMM 130  COMM 135  Sixth Quarter Course No.		Course Name Culinary Arts Cooperative Work Experience  Course Name Pastries and Desserts Basic Garde Manger Hospitality Menu Planning American Regional Cuisine Hospitality Supervision Speech or Verbal Career Skills	Type T T T G G G Type	2.00 2.00 2.00 1.00 1.00 2.00 1.00 3.00 3.00 3.00 11.00	40.00 40.00 40.00 4.00 4.00 4.00 0.00 0	6.00 6.00 6.00 Credit 3.00 3.00 2.00 3.00 3.00 3.00 3.00 17.00	\$25  Course Fee \$125 \$150 \$50 \$150 \$10 \$10
Fourth Quarter Course No. CULA 294  Fifth Quarter Course No. CULA 105 CULA 107 CULA 116 CULA 218 SUPR 117 COMM 130  COMM 135  Sixth Quarter Course No. CULA 217		Course Name Culinary Arts Cooperative Work Experience  Course Name Pastries and Desserts Basic Garde Manger Hospitality Menu Planning American Regional Cuisine Hospitality Supervision Speech or Verbal Career Skills  Course Name Classical and International Cuisine	Type T T G G G Type	2.00 2.00 2.00 2.00 1.00 2.00 1.00 3.00 3.00 3.00 11.00	40.00 40.00 40.00 4.00 4.00 1.00 4.00 0.00 0	6.00 6.00 6.00 Credit 3.00 3.00 3.00 3.00 3.00 17.00	\$25  Course Fee \$125 \$150 \$50 \$150 \$10 \$10  Course Fee \$150
Fourth Quarter Course No. CULA 294  Fifth Quarter Course No. CULA 105 CULA 107 CULA 116 CULA 218 SUPR 117 COMM 130  COMM 135  Sixth Quarter Course No. CULA 217 CULA 250		Course Name Culinary Arts Cooperative Work Experience  Course Name Pastries and Desserts Basic Garde Manger Hospitality Menu Planning American Regional Cuisine Hospitality Supervision Speech or Verbal Career Skills  Course Name Classical and International Cuisine Culinary Capstone Experience	Type T T T G G G Type T T T T T T T T T T T T T T T T T T T	2.00 2.00 2.00 2.00 1.00 2.00 1.00 3.00 3.00 3.00 11.00 Class 2.00 1.00	40.00 40.00 40.00 4.00 4.00 1.00 4.00 0.00 0	6.00 6.00 6.00 Credit 3.00 3.00 3.00 3.00 3.00 17.00 Credit 3.00 3.00	\$25  Course Fee \$125 \$150 \$50 \$150 \$10  \$10  Course Fee \$150 \$125
Fourth Quarter Course No. CULA 294  Fifth Quarter Course No. CULA 105 CULA 107 CULA 116 CULA 218 SUPR 117 COMM 130  COMM 135  Sixth Quarter Course No. CULA 217 CULA 250 CULA 270		Course Name Culinary Arts Cooperative Work Experience  Course Name Pastries and Desserts Basic Garde Manger Hospitality Menu Planning American Regional Cuisine Hospitality Supervision Speech or Verbal Career Skills  Course Name Classical and International Cuisine Culinary Capstone Experience Catering	Type T T T T G G G Type T T T T T T T T T T T T T T T T T T T	2.00 2.00 2.00 2.00 1.00 2.00 1.00 3.00 3.00 3.00 11.00 Class 2.00 1.00 1.00	40.00 40.00 Lab 4.00 4.00 1.00 4.00 0.00 0.00 0.00 13.00 Lab 3.00 4.00 4.00	6.00 6.00 6.00 Credit 3.00 3.00 3.00 3.00 3.00 17.00 Credit 3.00 3.00 3.00	\$25  Course Fee \$125 \$150 \$50 \$150 \$10 \$10  Course Fee \$150 \$125 \$80
Fourth Quarter Course No. CULA 294  Fifth Quarter Course No. CULA 105 CULA 107 CULA 116 CULA 218 SUPR 117 COMM 130  COMM 135  Sixth Quarter Course No. CULA 217 CULA 250		Course Name Culinary Arts Cooperative Work Experience  Course Name Pastries and Desserts Basic Garde Manger Hospitality Menu Planning American Regional Cuisine Hospitality Supervision Speech or Verbal Career Skills  Course Name Classical and International Cuisine Culinary Capstone Experience	Type T T T G G G Type T T T T T T T T T T T T T T T T T T T	2.00 2.00 2.00 2.00 1.00 2.00 1.00 3.00 3.00 3.00 11.00 Class 2.00 1.00 1.00	40.00 40.00 40.00 4.00 4.00 4.00 0.00 0.00 0.00 13.00 Lab 3.00 4.00 4.00 4.00 0.00	6.00 6.00 6.00 Credit 3.00 3.00 3.00 3.00 3.00 17.00 Credit 3.00 3.00 3.00 3.00	\$25  Course Fee \$125 \$150 \$50 \$150 \$10 \$10  Course Fee \$150 \$125
Fourth Quarter Course No. CULA 294  Fifth Quarter Course No. CULA 105 CULA 107 CULA 116 CULA 218 SUPR 117 COMM 130  COMM 135  Sixth Quarter Course No. CULA 217 CULA 250 CULA 270 COMM 104	P	Course Name Culinary Arts Cooperative Work Experience  Course Name Pastries and Desserts Basic Garde Manger Hospitality Menu Planning American Regional Cuisine Hospitality Supervision Speech or Verbal Career Skills  Course Name Classical and International Cuisine Culinary Capstone Experience Catering Job Search Techniques	Type T T T G G G Type T T T G G	2.00 2.00 2.00 2.00 1.00 2.00 1.00 3.00 3.00 3.00 11.00 Class 2.00 1.00 1.00	40.00 40.00 Lab 4.00 4.00 1.00 4.00 0.00 0.00 0.00 13.00 Lab 3.00 4.00 4.00	6.00 6.00 6.00 Credit 3.00 3.00 3.00 3.00 3.00 17.00 Credit 3.00 3.00 3.00	\$25  Course Fee \$125 \$150 \$50 \$150 \$10 \$10  Course Fee \$150 \$125 \$80
Fourth Quarter Course No. CULA 294  Fifth Quarter Course No. CULA 105 CULA 107 CULA 116 CULA 218 SUPR 117 COMM 130  COMM 135  Sixth Quarter Course No. CULA 217 CULA 250 CULA 270 COMM 104	P	Course Name Culinary Arts Cooperative Work Experience  Course Name Pastries and Desserts Basic Garde Manger Hospitality Menu Planning American Regional Cuisine Hospitality Supervision Speech or Verbal Career Skills  Course Name Classical and International Cuisine Culinary Capstone Experience Catering Job Search Techniques	Type T T T G G G Type T T T G G G	2.00 2.00 2.00 2.00 1.00 2.00 1.00 3.00 3.00 3.00 11.00 Class 2.00 1.00 1.00	40.00 40.00 40.00 4.00 4.00 4.00 0.00 0.00 0.00 13.00 Lab 3.00 4.00 4.00 4.00 0.00	6.00 6.00 6.00 Credit 3.00 3.00 3.00 3.00 3.00 17.00 Credit 3.00 3.00 3.00 3.00	\$25  Course Fee \$125 \$150 \$50 \$150 \$10 \$10  Course Fee \$150 \$125 \$80
Fourth Quarter Course No. CULA 294  Fifth Quarter Course No. CULA 105 CULA 107 CULA 116 CULA 218 SUPR 117 COMM 130  COMM 135  Sixth Quarter Course No. CULA 217 CULA 250 CULA 270 COMM 104 BIOS 100	P	Course Name Culinary Arts Cooperative Work Experience  Course Name Pastries and Desserts Basic Garde Manger Hospitality Menu Planning American Regional Cuisine Hospitality Supervision Speech or Verbal Career Skills  Course Name Classical and International Cuisine Culinary Capstone Experience Catering Job Search Techniques Health Science: The Human Machine	Type T T T G G G Type T T G G G or	2.00 2.00 2.00 2.00 1.00 2.00 1.00 3.00 3.00 11.00 2.00 1.00 1.00 1.00 1.00 1.00	40.00 40.00 40.00 4.00 4.00 4.00 0.00 0.00 0.00 13.00 Lab 3.00 4.00 4.00 0.00 0.00	6.00 6.00 6.00 3.00 3.00 3.00 3.00 3.00	\$25  Course Fee \$125 \$150 \$50 \$150 \$10 \$10  Course Fee \$150 \$125 \$80 \$10
Fourth Quarter Course No. CULA 294  Fifth Quarter Course No. CULA 105 CULA 107 CULA 116 CULA 218 SUPR 117 COMM 130  COMM 135  Sixth Quarter Course No. CULA 250 CULA 270 CULA 270 COMM 104 BIOS 100  BIOS 101 BUS 120	P P P	Course Name Culinary Arts Cooperative Work Experience  Course Name Pastries and Desserts Basic Garde Manger Hospitality Menu Planning American Regional Cuisine Hospitality Supervision Speech or Verbal Career Skills  Course Name Classical and International Cuisine Culinary Capstone Experience Catering Job Search Techniques Health Science: The Human Machine  Environmental Science Personal Finance or	Type T T T G G G Type T T T G G G	2.00 2.00 2.00 1.00 1.00 2.00 1.00 3.00 3.00 3.00 11.00 1.00 1.00	40.00 40.00 40.00 4.00 4.00 4.00 0.00 0.00 0.00 13.00 4.00 4.00 4.00 4.00 0.00 0.00 0.00	6.00 6.00 6.00 Credit 3.00 3.00 3.00 3.00 3.00 17.00 Credit 3.00 3.00 3.00 3.00 3.00 3.00 3.00	\$25  Course Fee \$125 \$150 \$50 \$150 \$10 \$10  Course Fee \$150 \$125 \$80 \$10 \$20
Fourth Quarter Course No. CULA 294  Fifth Quarter Course No. CULA 105 CULA 107 CULA 116 CULA 218 SUPR 117 COMM 130  COMM 135  Sixth Quarter Course No. CULA 250 CULA 270 CULA 270 COMM 104 BIOS 100  BIOS 101 BUS 120  SOCI 169	P	Course Name Culinary Arts Cooperative Work Experience  Course Name Pastries and Desserts Basic Garde Manger Hospitality Menu Planning American Regional Cuisine Hospitality Supervision Speech or Verbal Career Skills  Course Name Classical and International Cuisine Culinary Capstone Experience Catering Job Search Techniques Health Science: The Human Machine  Environmental Science Personal Finance or Human Relations in Organizations	Type T T T G G G Type T T T G G G G G G G G G	2.00 2.00 2.00 2.00 1.00 2.00 1.00 3.00 3.00 3.00 11.00 1.00 1.00	40.00 40.00 40.00 4.00 4.00 4.00 0.00 0.00 0.00 13.00 4.00 4.00 4.00 4.00 4.00 0.00 0.00 0.00 0.00	6.00 6.00 6.00 3.00 3.00 3.00 3.00 3.00	\$25  Course Fee \$125 \$150 \$50 \$150 \$10 \$10  Course Fee \$150 \$125 \$80 \$10
Fourth Quarter Course No. CULA 294  Fifth Quarter Course No. CULA 105 CULA 107 CULA 116 CULA 218 SUPR 117 COMM 130  COMM 135  Sixth Quarter Course No. CULA 250 CULA 270 CULA 270 COMM 104 BIOS 100  BIOS 101 BUS 120	P P P	Course Name Culinary Arts Cooperative Work Experience  Course Name Pastries and Desserts Basic Garde Manger Hospitality Menu Planning American Regional Cuisine Hospitality Supervision Speech or Verbal Career Skills  Course Name Classical and International Cuisine Culinary Capstone Experience Catering Job Search Techniques Health Science: The Human Machine  Environmental Science Personal Finance or	Type T T T G G G Type T T T G G G	2.00 2.00 2.00 2.00 1.00 2.00 1.00 3.00 3.00 3.00 11.00 1.00 1.00	40.00 40.00 40.00 4.00 4.00 1.00 4.00 0.00 0.00 0.00 13.00 4.00 4.00 4.00 4.00 0.00 0.00 0.00 0.00 0.00	6.00 6.00 6.00 3.00 3.00 3.00 3.00 3.00	\$25  Course Fee \$125 \$150 \$50 \$150 \$10 \$10  Course Fee \$150 \$125 \$80 \$10 \$20
Fourth Quarter Course No. CULA 294  Fifth Quarter Course No. CULA 105 CULA 107 CULA 116 CULA 218 SUPR 117 COMM 130  COMM 135  Sixth Quarter Course No. CULA 250 CULA 270 CULA 270 COMM 104 BIOS 100  BIOS 101 BUS 120  SOCI 169	P P P	Course Name Culinary Arts Cooperative Work Experience  Course Name Pastries and Desserts Basic Garde Manger Hospitality Menu Planning American Regional Cuisine Hospitality Supervision Speech or Verbal Career Skills  Course Name Classical and International Cuisine Culinary Capstone Experience Catering Job Search Techniques Health Science: The Human Machine  Environmental Science Personal Finance or Human Relations in Organizations	Type T T T G G G Type T T T G G G G G G G G G	2.00 2.00 2.00 2.00 1.00 2.00 1.00 3.00 3.00 3.00 11.00 1.00 1.00	40.00 40.00 40.00 4.00 4.00 4.00 0.00 0.00 0.00 13.00 4.00 4.00 4.00 4.00 4.00 0.00 0.00 0.00 0.00	6.00 6.00 6.00 3.00 3.00 3.00 3.00 3.00	\$25  Course Fee \$125 \$150 \$50 \$150 \$10 \$10  Course Fee \$150 \$125 \$80 \$10 \$20
Fourth Quarter Course No.  CULA 294  Fifth Quarter Course No.  CULA 105  CULA 107  CULA 116  CULA 218  SUPR 117  COMM 130  COMM 135  Sixth Quarter Course No.  CULA 250  CULA 270  CULA 270  COMM 104  BIOS 101  BUS 120  SOCI 169  CULA •••  Technical Credit Hours	P P P	Course Name Culinary Arts Cooperative Work Experience  Course Name Pastries and Desserts Basic Garde Manger Hospitality Menu Planning American Regional Cuisine Hospitality Supervision Speech or Verbal Career Skills  Course Name Classical and International Cuisine Culinary Capstone Experience Catering Job Search Techniques Health Science: The Human Machine  Environmental Science Personal Finance or Human Relations in Organizations Culinary Elective (Optional)	Type T T T G G G Type T T T G G G G G G G G G	2.00 2.00 2.00 2.00 1.00 2.00 1.00 3.00 3.00 3.00 11.00 1.00 1.00	40.00 40.00 40.00 4.00 4.00 1.00 4.00 0.00 0.00 0.00 13.00 4.00 4.00 4.00 4.00 0.00 0.00 0.00 0.00 0.00	6.00 6.00 6.00 3.00 3.00 3.00 3.00 3.00	\$25  Course Fee \$125 \$150 \$50 \$150 \$10 \$10  Course Fee \$150 \$125 \$80 \$10 \$20
Fourth Quarter Course No. CULA 294  Fifth Quarter Course No. CULA 105 CULA 107 CULA 116 CULA 218 SUPR 117 COMM 130  COMM 135  Sixth Quarter Course No. CULA 217 CULA 250 CULA 270 COMM 104 BIOS 100  BIOS 101 BUS 120  SOCI 169 CULA •••  Technical Credit Hours General Credit Hours	P P P	Course Name Culinary Arts Cooperative Work Experience  Course Name Pastries and Desserts Basic Garde Manger Hospitality Menu Planning American Regional Cuisine Hospitality Supervision Speech or Verbal Career Skills  Course Name Classical and International Cuisine Culinary Capstone Experience Catering Job Search Techniques Health Science: The Human Machine  Environmental Science Personal Finance or Human Relations in Organizations Culinary Elective (Optional)  51.00-54.00 42.00	Type T T T G G G Type T T T G G G G G G G G G	2.00 2.00 2.00 2.00 1.00 2.00 1.00 3.00 3.00 3.00 11.00 1.00 1.00	40.00 40.00 40.00 4.00 4.00 1.00 4.00 0.00 0.00 0.00 13.00 4.00 4.00 4.00 4.00 0.00 0.00 0.00 0.00 0.00	6.00 6.00 6.00 3.00 3.00 3.00 3.00 3.00	\$25  Course Fee \$125 \$150 \$50 \$150 \$10 \$10  Course Fee \$150 \$125 \$80 \$10 \$20
Fourth Quarter Course No.  CULA 294  Fifth Quarter Course No.  CULA 105  CULA 107  CULA 116  CULA 218  SUPR 117  COMM 130  COMM 135  Sixth Quarter Course No.  CULA 250  CULA 270  CULA 270  COMM 104  BIOS 101  BUS 120  SOCI 169  CULA •••  Technical Credit Hours	P P P	Course Name Culinary Arts Cooperative Work Experience  Course Name Pastries and Desserts Basic Garde Manger Hospitality Menu Planning American Regional Cuisine Hospitality Supervision Speech or Verbal Career Skills  Course Name Classical and International Cuisine Culinary Capstone Experience Catering Job Search Techniques Health Science: The Human Machine  Environmental Science Personal Finance or Human Relations in Organizations Culinary Elective (Optional)	Type T T T G G G Type T T T G G G G G G G G G	2.00 2.00 2.00 2.00 1.00 2.00 1.00 3.00 3.00 3.00 11.00 1.00 1.00	40.00 40.00 40.00 4.00 4.00 1.00 4.00 0.00 0.00 0.00 13.00 4.00 4.00 4.00 4.00 0.00 0.00 0.00 0.00 0.00	6.00 6.00 6.00 3.00 3.00 3.00 3.00 3.00	\$25  Course Fee \$125 \$150 \$50 \$150 \$10 \$10  Course Fee \$150 \$125 \$80 \$10 \$20

## Hotel and Restaurant Management

For students entering June, 2002 through May, 2003

First Quarter							
Course No.		Course Name	Type	Class	Lab	Cuadit	Causa Faa
CULA 240		Festival Catering Production	T	1.00	<u>Lab</u> 1.00	<u>Credit</u> 1.00	Course Fee
HOTR 223		Food and Beverage Lab	Ť	0.00	12.00	4.00	\$25
HOTR 231		Serving Alcohol with Care	T	1.00	0.00	1.00	\$45
HOTR 233	Р	Food and Beverage Controls	T	3.00	0.00	3.00	
HOTR 235		Food and Beverage Services	T	2.00	0.00	2.00	\$25
HOTR 110 HOTR 234		Quality Sanitation Management	G	2.00	1.00	2.00	
SUPR 117	Р	Bar and Beverage Management Hospitality Supervision	G G	2.00 3.00	0.00	2.00	
30111 117	'	Hospitality Supervision	U	14.00	<u>0.00</u> 14.00	<u>3.00</u> 18.00	
				11.00	7 1.00	10.00	
Second Quarter							
Course No.		Course Name	<u>Type</u>	Class	<u>Lab</u>	Credit	Course Fee
HOTR 118 HOTR 224	Р	Hospitality Computer Systems Financial Management Lab	T T	2.00	0.00	2.00	
COMM 122	Р	Communications II	G	0.00 3.00	12.00 0.00	4.00 3.00	\$25 \$20
HOTR 140	•	Basic Financial Accounting	G	3.00	0.00	3.00	\$20 \$25
HOTR 241	Р	Front Office Operations	G	3.00	0.00	3.00	\$25
MATH 108 B		Introduction to Algebra for Business	G	3.00	1.00	3.00	\$16
				14.00	13.00	18.00	
Third Quarter							
Course No.		Course Name	Type	Class	Lab	Credit	Course Fee
HOTR 115	Р	Security Management	T	2.00	0.00	2.00	Course rec
HOTR 225		Rooms Division Lab	T	0.00	12.00	4.00	\$25
HOTR 263		Facilities Management	T	2.00	0.00	2.00	\$25
COMM 123 EM 134	P P	Communications III Standard First Aid	G	3.00	0.00	3.00	\$20
HOTR 242	P	Housekeeping Management	G G	1.00 2.00	0.00	1.00 2.00	\$25
COMM 130	'	Speech	G	3.00	0.00	3.00	\$10 \$10
		or	•	0.00	0.00	3.00	\$10
COMM 135		Verbal Career Skills	G	3.00	0.00	3.00	\$10
C O				13.00	12.00	17.00	
Summer Quarter Course No.		Course Name	Type	Class	Lob	Cuadit	Ca
See your advisor re	garding course		TAPE	Class	<u>Lab</u>	Credit	Course Fee
,	, ,	3					
Fourth Quarter							
Course No.		Course Name	Type	Class	Lab	Credit	Course Fee
Course No. HOTR 122	Р	Tourism and Hospitality Industry	T	2.00	0.00	2.00	Course Fee
Course No. HOTR 122 HOTR 124	Р	Tourism and Hospitality Industry Convention Management and Service	T	2.00 3.00	0.00	2.00 3.00	
Course No. HOTR 122	Р	Tourism and Hospitality Industry Convention Management and Service Hospitality Sales and Marketing	T T	2.00 3.00 3.00	0.00 0.00 0.00	2.00 3.00 3.00	\$20
Course No. HOTR 122 HOTR 124 HOTR 170	Р	Tourism and Hospitality Industry Convention Management and Service Hospitality Sales and Marketing Marketing and Sales Lab	T	2.00 3.00	0.00	2.00 3.00	
Course No.  HOTR 122  HOTR 124  HOTR 170  HOTR 226	P P	Tourism and Hospitality Industry Convention Management and Service Hospitality Sales and Marketing Marketing and Sales Lab Marketing of Hospitality Services Health Science: The Human Machine	T T T	2.00 3.00 3.00 0.00	0.00 0.00 0.00 12.00	2.00 3.00 3.00 4.00	\$20 \$25
Course No.           HOTR         122           HOTR         124           HOTR         170           HOTR         226           HOTR         260           BIOS         100		Tourism and Hospitality Industry Convention Management and Service Hospitality Sales and Marketing Marketing and Sales Lab Marketing of Hospitality Services Health Science: The Human Machine or	T T T T T G	2.00 3.00 3.00 0.00 3.00 3.00	0.00 0.00 0.00 12.00 0.00 0.00	2.00 3.00 3.00 4.00 3.00 3.00	\$20 \$25 \$25
Course No.  HOTR 122  HOTR 124  HOTR 170  HOTR 226  HOTR 260		Tourism and Hospitality Industry Convention Management and Service Hospitality Sales and Marketing Marketing and Sales Lab Marketing of Hospitality Services Health Science: The Human Machine	T T T T	2.00 3.00 3.00 0.00 3.00 3.00	0.00 0.00 0.00 12.00 0.00 0.00	2.00 3.00 3.00 4.00 3.00 3.00	\$20 \$25
Course No.           HOTR         122           HOTR         124           HOTR         170           HOTR         226           HOTR         260           BIOS         100		Tourism and Hospitality Industry Convention Management and Service Hospitality Sales and Marketing Marketing and Sales Lab Marketing of Hospitality Services Health Science: The Human Machine or	T T T T T G	2.00 3.00 3.00 0.00 3.00 3.00	0.00 0.00 0.00 12.00 0.00 0.00	2.00 3.00 3.00 4.00 3.00 3.00	\$20 \$25 \$25
Course No.           HOTR         122           HOTR         124           HOTR         170           HOTR         226           HOTR         260           BIOS         100		Tourism and Hospitality Industry Convention Management and Service Hospitality Sales and Marketing Marketing and Sales Lab Marketing of Hospitality Services Health Science: The Human Machine or	T T T T T G	2.00 3.00 3.00 0.00 3.00 3.00	0.00 0.00 0.00 12.00 0.00 0.00	2.00 3.00 3.00 4.00 3.00 3.00	\$20 \$25 \$25
Course No.       HOTR     122       HOTR     124       HOTR     170       HOTR     226       HOTR     260       BIOS     100       BIOS     101		Tourism and Hospitality Industry Convention Management and Service Hospitality Sales and Marketing Marketing and Sales Lab Marketing of Hospitality Services Health Science: The Human Machine or Environmental Science	T T T T T G	2.00 3.00 3.00 0.00 3.00 3.00	0.00 0.00 0.00 12.00 0.00 0.00	2.00 3.00 3.00 4.00 3.00 3.00	\$20 \$25 \$25
Course No.  HOTR 122  HOTR 124  HOTR 170  HOTR 260  BIOS 100  BIOS 101  Fifth Quarter  Course No.  HOTR 107	P P	Tourism and Hospitality Industry Convention Management and Service Hospitality Sales and Marketing Marketing and Sales Lab Marketing of Hospitality Services Health Science: The Human Machine or Environmental Science	T T T T T G G G	2.00 3.00 3.00 0.00 3.00 3.00 14.00	0.00 0.00 0.00 12.00 0.00 0.00 0.00 12.00	2.00 3.00 3.00 4.00 3.00 3.00 18.00	\$20 \$25 \$25 \$25
Course No.  HOTR 122  HOTR 124  HOTR 170  HOTR 226  HOTR 260  BIOS 100  BIOS 101  Fifth Quarter  Course No.  HOTR 107  HOTR 107  HOTR 108	P P P	Tourism and Hospitality Industry Convention Management and Service Hospitality Sales and Marketing Marketing and Sales Lab Marketing of Hospitality Services Health Science: The Human Machine or Environmental Science  Course Name Hospitality Industry Training Hospitality Human Resources Management	T T T T T G G	2.00 3.00 3.00 0.00 3.00 3.00 14.00	0.00 0.00 0.00 12.00 0.00 0.00 12.00	2.00 3.00 3.00 4.00 3.00 3.00 18.00 Credit 2.00 2.00	\$20 \$25 \$25 \$25 \$20
Course No. HOTR 122 HOTR 124 HOTR 170 HOTR 226 HOTR 260 BIOS 100 BIOS 101  Fifth Quarter Course No. HOTR 107 HOTR 108 HOTR 108	P P	Tourism and Hospitality Industry Convention Management and Service Hospitality Sales and Marketing Marketing and Sales Lab Marketing of Hospitality Services Health Science: The Human Machine or Environmental Science  Course Name Hospitality Industry Training Hospitality Human Resources Management Managing for Quality	TTTTTTTTGGGG	2.00 3.00 3.00 0.00 3.00 3.00 14.00 Class 2.00 2.00 3.00	0.00 0.00 0.00 12.00 0.00 0.00 12.00 12.00	2.00 3.00 3.00 4.00 3.00 3.00 18.00 Credit 2.00 2.00 3.00	\$20 \$25 \$25 \$20 \$20 <b>Course Fee</b>
Course No.  HOTR 122  HOTR 124  HOTR 226  HOTR 260  BIOS 100  BIOS 101  Fifth Quarter Course No.  HOTR 107  HOTR 107  HOTR 108  HOTR 126  HOTR 126  HOTR 126  HOTR 126	P P P	Tourism and Hospitality Industry Convention Management and Service Hospitality Sales and Marketing Marketing and Sales Lab Marketing of Hospitality Services Health Science: The Human Machine or Environmental Science  Course Name Hospitality Industry Training Hospitality Human Resources Management Managing for Quality Human Resources Lab	TTTTTGGGG	2.00 3.00 3.00 0.00 3.00 3.00 14.00 Class 2.00 2.00 3.00 0.00	0.00 0.00 0.00 12.00 0.00 0.00 12.00 Lab 0.00 0.00 0.00 0.00	2.00 3.00 3.00 4.00 3.00 3.00 18.00  Credit 2.00 2.00 3.00 4.00	\$20 \$25 \$25 \$25 \$20
Course No. HOTR 122 HOTR 124 HOTR 170 HOTR 226 HOTR 260 BIOS 100 BIOS 101  Fifth Quarter Course No. HOTR 107 HOTR 108 HOTR 108	P P P	Tourism and Hospitality Industry Convention Management and Service Hospitality Sales and Marketing Marketing and Sales Lab Marketing of Hospitality Services Health Science: The Human Machine or Environmental Science  Course Name Hospitality Industry Training Hospitality Human Resources Management Managing for Quality	TTTTTGGGG	2.00 3.00 3.00 0.00 3.00 3.00 14.00 Class 2.00 2.00 3.00	0.00 0.00 0.00 12.00 0.00 0.00 12.00 12.00	2.00 3.00 3.00 4.00 3.00 3.00 18.00 Credit 2.00 2.00 3.00	\$20 \$25 \$25 \$20 \$20 <b>Course Fee</b>
Course No. HOTR 122 HOTR 124 HOTR 170 HOTR 260 BIOS 100 BIOS 101  Fifth Quarter Course No. HOTR 107 HOTR 108 HOTR 126 HOTR 227 HOTR 227 HOTR 230	P P P	Tourism and Hospitality Industry Convention Management and Service Hospitality Sales and Marketing Marketing and Sales Lab Marketing of Hospitality Services Health Science: The Human Machine or Environmental Science  Course Name Hospitality Industry Training Hospitality Industry Training Hospitality Human Resources Management Managing for Quality Human Resources Lab International Hotels – Development and Marketing	TTTTTGGGG	2.00 3.00 3.00 0.00 3.00 3.00 14.00 Class 2.00 2.00 3.00 0.00 2.00	0.00 0.00 0.00 12.00 0.00 0.00 12.00 12.00 0.00 0	2.00 3.00 3.00 4.00 3.00 3.00 18.00  Credit 2.00 2.00 3.00 4.00 2.00 1.00 3.00	\$20 \$25 \$25 \$20 \$20 <b>Course Fee</b> \$25 \$25
Course No. HOTR 122 HOTR 124 HOTR 170 HOTR 226 HOTR 260 BIOS 100 BIOS 101  Fifth Quarter Course No. HOTR 107 HOTR 108 HOTR 126 HOTR 126 HOTR 126 HOTR 227 HOTR 230 COMM 104	P P P	Tourism and Hospitality Industry Convention Management and Service Hospitality Sales and Marketing Marketing and Sales Lab Marketing of Hospitality Services Health Science: The Human Machine or Environmental Science  Course Name Hospitality Industry Training Hospitality Industry Training Managing for Quality Human Resources Management Managing Hospitality Human Resources Lab International Hotels – Development and Marketing Job Search Techniques	TTTTTGGGGG	2.00 3.00 3.00 0.00 3.00 3.00 14.00 Class 2.00 2.00 3.00 0.00 2.00 1.00	0.00 0.00 0.00 12.00 0.00 0.00 12.00 12.00 12.00 0.00 0	2.00 3.00 3.00 4.00 3.00 3.00 18.00  Credit 2.00 2.00 3.00 4.00 2.00 1.00	\$20 \$25 \$25 \$20 \$20 <b>Course Fee</b> \$25 \$25
Course No. HOTR 124 HOTR 170 HOTR 226 HOTR 260 BIOS 100  BIOS 101  Fifth Quarter Course No. HOTR 107 HOTR 107 HOTR 108 HOTR 126 HOTR 227 HOTR 230 COMM 104 HOTR 114	P P P	Tourism and Hospitality Industry Convention Management and Service Hospitality Sales and Marketing Marketing and Sales Lab Marketing of Hospitality Services Health Science: The Human Machine or Environmental Science  Course Name Hospitality Industry Training Hospitality Industry Training Managing for Quality Human Resources Management Managing Hospitality Human Resources Lab International Hotels – Development and Marketing Job Search Techniques	TTTTTGGGGG	2.00 3.00 3.00 0.00 3.00 3.00 14.00 Class 2.00 2.00 3.00 0.00 2.00	0.00 0.00 0.00 12.00 0.00 0.00 12.00 12.00 0.00 0	2.00 3.00 3.00 4.00 3.00 3.00 18.00  Credit 2.00 2.00 3.00 4.00 2.00 1.00 3.00	\$20 \$25 \$25 \$20 \$20 <b>Course Fee</b> \$25 \$25
Course No.  HOTR 124  HOTR 124  HOTR 226  HOTR 260  BIOS 100  BIOS 101  Fifth Quarter Course No.  HOTR 107  HOTR 107  HOTR 108  HOTR 126  HOTR 227  HOTR 230  COMM 104  HOTR 114	P P P	Tourism and Hospitality Industry Convention Management and Service Hospitality Sales and Marketing Marketing and Sales Lab Marketing of Hospitality Services Health Science: The Human Machine or Environmental Science  Course Name Hospitality Industry Training Hospitality Human Resources Management Managing for Quality Human Resources Lab International Hotels – Development and Marketing Job Search Techniques Food Management and Preparation I	TTTTTGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGG	2.00 3.00 3.00 0.00 3.00 3.00 14.00  Class 2.00 2.00 3.00 0.00 2.00 1.00 2.00 12.00	0.00 0.00 0.00 12.00 0.00 0.00 12.00 12.00 12.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 12.00 0.00 12.00	2.00 3.00 3.00 4.00 3.00 3.00 18.00  Credit 2.00 2.00 3.00 4.00 2.00 1.00 3.00 17.00	\$20 \$25 \$25 \$20 \$20 <b>Course Fee</b> \$25 \$25 \$10 \$75
Course No.  HOTR 122 HOTR 124 HOTR 170 HOTR 226 HOTR 260 BIOS 100  BIOS 101  Fifth Quarter Course No. HOTR 108 HOTR 126 HOTR 126 HOTR 126 HOTR 127 HOTR 108 HOTR 127 HOTR 128 HOTR 129 HOTR 129 HOTR 120 HOTR 121 Sixth Quarter Course No. HOTR 114	P P P	Tourism and Hospitality Industry Convention Management and Service Hospitality Sales and Marketing Marketing and Sales Lab Marketing of Hospitality Services Health Science: The Human Machine or Environmental Science  Course Name Hospitality Industry Training Hospitality Industry Training Managing for Quality Human Resources Management Managing Hospitality Human Resources Lab International Hotels – Development and Marketing Job Search Techniques	TTTTTGGGGG	2.00 3.00 3.00 0.00 3.00 3.00 14.00 Class 2.00 2.00 3.00 0.00 2.00	0.00 0.00 0.00 12.00 0.00 0.00 12.00 12.00 0.00 0	2.00 3.00 3.00 4.00 3.00 3.00 18.00  Credit 2.00 2.00 3.00 4.00 2.00 1.00 3.00	\$20 \$25 \$25 \$20 \$20 <b>Course Fee</b> \$25 \$25
Course No.  HOTR 122 HOTR 124 HOTR 170 HOTR 260 BIOS 100  BIOS 101  Fifth Quarter Course No. HOTR 108 HOTR 126 HOTR 227 HOTR 230 COMM 104 HOTR 114  Sixth Quarter Course No. HOTR 104 HOTR 104 HOTR 104	P P P	Tourism and Hospitality Industry Convention Management and Service Hospitality Sales and Marketing Marketing and Sales Lab Marketing of Hospitality Services Health Science: The Human Machine or Environmental Science  Course Name Hospitality Industry Training Hospitality Human Resources Management Managing for Quality Human Resources Lab International Hotels – Development and Marketing Job Search Techniques Food Management and Preparation I  Course Name Hospitality Management Development Contemporary Club Management	TYPE TTTTTTTGG G Type TTTTTGG TTTTTTTTTTTTTTTTTTTTTTTTTTTTT	2.00 3.00 3.00 3.00 3.00 3.00 3.00 14.00  Class 2.00 2.00 3.00 2.00 12.00  Class 1.00 2.00	0.00 0.00 0.00 12.00 0.00 0.00 12.00 0.00 12.00 12.00 0.00 0	2.00 3.00 3.00 4.00 3.00 3.00 18.00  Credit 2.00 2.00 3.00 4.00 2.00 1.00 3.00 17.00  Credit 4.00 2.00	\$20 \$25 \$25 \$20 \$20 <b>Course Fee</b> \$25 \$25 \$10 \$75
Course No.  HOTR 124  HOTR 124  HOTR 170  HOTR 226  HOTR 260  BIOS 100  BIOS 101  Fifth Quarter Course No.  HOTR 107  HOTR 108  HOTR 126  HOTR 227  HOTR 230  COMM 104  HOTR 114  Sixth Quarter Course No.  HOTR 107  HOTR 107  HOTR 230  COMM 104  HOTR 114	P P P	Tourism and Hospitality Industry Convention Management and Service Hospitality Sales and Marketing Marketing and Sales Lab Marketing of Hospitality Services Health Science: The Human Machine or Environmental Science  Course Name Hospitality Industry Training Hospitality Human Resources Management Managing for Quality Human Resources Lab International Hotels – Development and Marketing Job Search Techniques Food Management and Preparation I  Course Name Hospitality Management Development Contemporary Club Management Microsoft Office	TTTTTTGGGGTType	2.00 3.00 3.00 3.00 3.00 3.00 14.00  Class 2.00 2.00 1.00 2.00 12.00  Class 1.00 2.00 2.00 2.00	0.00 0.00 0.00 12.00 0.00 0.00 12.00 0.00 12.00 12.00 0.00 12.00 0.00 0	2.00 3.00 3.00 4.00 3.00 3.00 18.00  2.00 2.00 3.00 4.00 2.00 1.00 3.00 17.00  Credit 4.00 2.00 3.00 3.00	\$20 \$25 \$25 \$25 \$20 <b>Course Fee</b> \$25 \$25 \$10 \$75 <b>Course Fee</b> \$50 \$45
Course No. HOTR 124 HOTR 124 HOTR 170 HOTR 226 HOTR 260 BIOS 100  BIOS 101  Fifth Quarter Course No. HOTR 107 HOTR 108 HOTR 227 HOTR 230 COMM 104 HOTR 114  Sixth Quarter Course No. HOTR 107 HOTR 108 HOTR 227 HOTR 230 COMM 104 HOTR 114	P P P	Tourism and Hospitality Industry Convention Management and Service Hospitality Sales and Marketing Marketing and Sales Lab Marketing of Hospitality Services Health Science: The Human Machine or Environmental Science  Course Name Hospitality Industry Training Hospitality Human Resources Management Managing for Quality Human Resources Lab International Hotels – Development and Marketing Job Search Techniques Food Management and Preparation I  Course Name Hospitality Management Development Contemporary Club Management Microsoft Office Food Management and Preparation II	TTTTTTGGGGTTTPE	2.00 3.00 3.00 3.00 3.00 3.00 3.00 14.00  Class 2.00 2.00 1.00 2.00 12.00  Class 1.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00	0.00 0.00 0.00 12.00 0.00 0.00 12.00 12.00  12.00  12.00  12.00  12.00 0.00 0	2.00 3.00 3.00 4.00 3.00 3.00 18.00  Credit 2.00 2.00 3.00 4.00 2.00 1.00 3.00 17.00  Credit 4.00 2.00 3.00 3.00 3.00 3.00 3.00 3.00 3	\$20 \$25 \$25 \$25 \$20 \$20 \$25 \$25 \$10 \$75 \$50 \$45 \$75
Course No. HOTR 124 HOTR 124 HOTR 170 HOTR 260 BIOS 100 BIOS 101  Fifth Quarter Course No. HOTR 107 HOTR 108 HOTR 227 HOTR 230 COMM 104 HOTR 114  Sixth Quarter Course No. HOTR 107 HOTR 107 HOTR 230 COMM 104 HOTR 114	P P P	Tourism and Hospitality Industry Convention Management and Service Hospitality Sales and Marketing Marketing and Sales Lab Marketing of Hospitality Services Health Science: The Human Machine or Environmental Science  Course Name Hospitality Industry Training Hospitality Industry Training Hospitality Human Resources Management Managing for Quality Human Resources Lab International Hotels – Development and Marketing Job Search Techniques Food Management and Preparation I  Course Name Hospitality Management Development Contemporary Club Management Microsoft Office Food Management and Preparation II Interpersonal Relationships	TTTTTTGGGGGGGGGGG	2.00 3.00 3.00 0.00 3.00 3.00 14.00  Class 2.00 2.00 1.00 2.00 12.00  Class 1.00 2.00 2.00 3.00 2.00 3.00	0.00 0.00 0.00 12.00 0.00 0.00 12.00 0.00 12.00 12.00 12.00 12.00 0.00 0	2.00 3.00 3.00 4.00 3.00 3.00 18.00   Credit 2.00 2.00 3.00 4.00 2.00 1.00 3.00 17.00  Credit 4.00 2.00 3.00 3.00 3.00 3.00 3.00 3.00 3	\$20 \$25 \$25 \$25 \$20 <b>Course Fee</b> \$25 \$25 \$10 \$75 <b>Course Fee</b> \$50 \$45
Course No. HOTR 124 HOTR 124 HOTR 170 HOTR 226 HOTR 260 BIOS 100  BIOS 101  Fifth Quarter Course No. HOTR 107 HOTR 108 HOTR 227 HOTR 230 COMM 104 HOTR 114  Sixth Quarter Course No. HOTR 107 HOTR 108 HOTR 227 HOTR 230 COMM 104 HOTR 114	P P P	Tourism and Hospitality Industry Convention Management and Service Hospitality Sales and Marketing Marketing and Sales Lab Marketing of Hospitality Services Health Science: The Human Machine or Environmental Science  Course Name Hospitality Industry Training Hospitality Industry Training Hospitality Human Resources Management Managing for Quality Human Resources Lab International Hotels – Development and Marketing Job Search Techniques Food Management and Preparation I  Course Name Hospitality Management Development Contemporary Club Management Microsoft Office Food Management and Preparation II Interpersonal Relationships Social Science Elective (Required)	TTTTTTGGGGTTTPE	2.00 3.00 3.00 0.00 3.00 3.00 14.00  Class 2.00 2.00 1.00 2.00 12.00  Class 1.00 2.00 2.00 3.00 2.00 3.00 3.00 3.00 3	0.00 0.00 0.00 12.00 0.00 12.00 0.00 12.00  12.00	2.00 3.00 3.00 4.00 3.00 3.00 18.00  Credit 2.00 2.00 3.00 4.00 2.00 1.00 3.00 17.00  Credit 4.00 2.00 3.00 3.00 3.00 3.00 3.00 3.00 3	\$20 \$25 \$25 \$25 \$20 Course Fee \$25 \$25 \$10 \$75 Course Fee \$50 \$45 \$75
Course No.  HOTR 124  HOTR 124  HOTR 170  HOTR 226  HOTR 260  BIOS 100  BIOS 101  Fifth Quarter Course No.  HOTR 107  HOTR 108  HOTR 227  HOTR 230  COMM 104  HOTR 114  Sixth Quarter Course No.  HOTR 107  HOTR 107  HOTR 230  COMM 104  HOTR 114	P P P	Tourism and Hospitality Industry Convention Management and Service Hospitality Sales and Marketing Marketing and Sales Lab Marketing of Hospitality Services Health Science: The Human Machine or Environmental Science  Course Name Hospitality Industry Training Hospitality Industry Training Hospitality Human Resources Management Managing for Quality Human Resources Lab International Hotels – Development and Marketing Job Search Techniques Food Management and Preparation I  Course Name Hospitality Management Development Contemporary Club Management Microsoft Office Food Management and Preparation II Interpersonal Relationships	TTTTTTGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGG	2.00 3.00 3.00 0.00 3.00 3.00 14.00  Class 2.00 2.00 1.00 2.00 12.00  Class 1.00 2.00 2.00 3.00 2.00 3.00	0.00 0.00 0.00 12.00 0.00 0.00 12.00 0.00 12.00 12.00 12.00 12.00 0.00 0	2.00 3.00 3.00 4.00 3.00 3.00 18.00  Credit 2.00 2.00 3.00 4.00 2.00 1.00 3.00 17.00  Credit 4.00 2.00 3.00 3.00 3.00 3.00 3.00 3.00 3	\$20 \$25 \$25 \$25 \$20 Course Fee \$25 \$25 \$10 \$75 Course Fee \$50 \$45 \$75
Course No.  HOTR 124  HOTR 124  HOTR 226  HOTR 260  BIOS 100  BIOS 101  Fifth Quarter Course No.  HOTR 107  HOTR 108  HOTR 227  HOTR 230  COMM 104  HOTR 114  Sixth Quarter Course No.  HOTR 107  HOTR 108  HOTR 126  HOTR 227  HOTR 230  COMM 104  HOTR 114  Sixth Quarter Course No.  HOTR 107  HOTR 108  FIFTH 10	P P P	Tourism and Hospitality Industry Convention Management and Service Hospitality Sales and Marketing Marketing and Sales Lab Marketing of Hospitality Services Health Science: The Human Machine or Environmental Science  Course Name Hospitality Industry Training Hospitality Human Resources Management Managing for Quality Human Resources Lab International Hotels – Development and Marketing Job Search Techniques Food Management and Preparation I  Course Name Hospitality Management Development Contemporary Club Management Microsoft Office Food Management and Preparation II Interpersonal Relationships Social Science Elective (Required) Hotel/Restaurant Elective (Optional)	TTTTTTGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGG	2.00 3.00 3.00 3.00 3.00 3.00 3.00 14.00  Class 2.00 2.00 1.00 2.00 12.00  Class 1.00 2.00 2.00 3.00 2.00 3.00 2.00 3.00 2.00 3.00 2.00 2	0.00 0.00 0.00 12.00 0.00 0.00 12.00 0.00 12.00 12.00 0.00 0	2.00 3.00 3.00 4.00 3.00 18.00 18.00  Credit 2.00 2.00 3.00 4.00 2.00 1.00 3.00 17.00  Credit 4.00 2.00 3.00 3.00 3.00 3.00 3.00 3.00 3	\$20 \$25 \$25 \$25 \$20 Course Fee \$25 \$25 \$10 \$75 Course Fee \$50 \$45 \$75
Course No.  HOTR 124  HOTR 124  HOTR 170  HOTR 226  HOTR 260  BIOS 100  BIOS 101  Fifth Quarter Course No.  HOTR 107  HOTR 108  HOTR 227  HOTR 230  COMM 104  HOTR 114  Sixth Quarter Course No.  HOTR 107  HOTR 107  HOTR 230  COMM 104  HOTR 114	P P P	Tourism and Hospitality Industry Convention Management and Service Hospitality Sales and Marketing Marketing and Sales Lab Marketing of Hospitality Services Health Science: The Human Machine or Environmental Science  Course Name Hospitality Industry Training Hospitality Human Resources Management Managing for Quality Human Resources Lab International Hotels – Development and Marketing Job Search Techniques Food Management and Preparation I  Course Name Hospitality Management Development Contemporary Club Management Microsoft Office Food Management and Preparation II Interpersonal Relationships Social Science Elective (Required) Hotel/Restaurant Elective (Optional)	TTTTTTGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGG	2.00 3.00 3.00 3.00 3.00 3.00 3.00 14.00  Class 2.00 2.00 1.00 2.00 12.00  Class 1.00 2.00 2.00 3.00 2.00 3.00 2.00 3.00 2.00 3.00 2.00 2	0.00 0.00 0.00 12.00 0.00 0.00 12.00 0.00 12.00 12.00 0.00 0	2.00 3.00 3.00 4.00 3.00 18.00 18.00  Credit 2.00 2.00 3.00 4.00 2.00 1.00 3.00 17.00  Credit 4.00 2.00 3.00 3.00 3.00 3.00 3.00 3.00 3	\$20 \$25 \$25 \$25 \$20 \$20 \$25 \$25 \$10 \$75 \$50 \$45 \$75

Hotel and Restaurant Management Notes: Students must choose from the following social science electives: PSYC 150 (Introduction to Psychology), SOCI 160 (Introduction to Sociology), GOVT 142 (Interacting With Government and Politics), SOCI 161 (Sociology of Family Living), or SOCI 165 (Cross Cultural Studies).

## School of Hospitality Certificates

## Certificate of Completion

### **Bartender Training**

Objective: To prepare the student for the art and science of bartending.

Course No.		Course Name	Credit	
HOTR	101	Mixology and Bar Management	1	
HOTR	102	Wines and Beers	1	
HOTR	231	Serving Alcohol With Care	1	
		-	3	

## **Occupational Certificates**

### **Bake Shop Operations**

Objective: To prepare the student for employment as bakers in bakeries, restaurants, and grocery outlets with deli and bakeshop production.

restaurants, and grocery outrees with act and outreshop production.					
Course	No.	Course Name	Credits		
CULA	105	Pastries and Desserts	3		
CULA	130	Introduction to Baking Industry	2		
CULA	131	Baking Technology	3		
CULA	132	Baking Lab I	5		
CULA	133	Baking Lab II	5		
CULA	134	Baking Lab III	5		
CULA	136	Yeast Dough Production	3		
CULA	137	Cake Production	3		
CULA	138	Classical Pastries	3		
CULA	139	Cookie Development	3		
CULA	262	Candy and Confections	3		
CULA	263	Bakeshop Operations	2		
HOTR	110	Quality Sanitation Management	2		
CULA	115	Breads and Baking Basics	3		
MATH	150	Food Service Math	2		
			47		

### **Baking Certificate**

Objective: To prepare those persons seeking an entry level baker's position and to provide the required courses for certified pastry cook through the American Culinary Federation.

through the American Culinary Federation.					
Course N	lo.		Course Name	Credits	
CULA	130		Introduction to Baking Industry	2	
CULA	132		Baking Lab I	5	
CULA	150		Nutrition in Community Food Service	3	
			Operations		
CULA	115		Breads and Baking Basics	3	
HOTR	110		Quality Sanitation Management	2	
CULA	105		Pastries and Desserts	3	
CULA	133		Baking Lab II	5	
CULA	136		Yeast Dough Production	3	
CULA	139		Cookie Development	3	
CULA	263		Bakeshop Operations	2	
SUPR	117	Ρ	Hospitality Supervision	3	
CULA	131		Baking Technology	3	
CULA	134		Baking Lab III	5	
CULA	137		Cake Production	3	
CULA	138		Classical Pastries	3	
CULA	262		Candy and Confections	3	
CULA	294		Coop Work Experience (Culinary)	4	
CULA	296		Culinary Practicum/Seminar	2	
				58	

#### Bar Management

Objective: To train students in the art and science of bar management. Must be 21 years of age to participate.

mast of mr / tais or age to participater						
Course	No.		Course Name	Credits		
HOTR	223		Food and Beverage Lab	4		
HOTR	115	Р	Security Management	2		
HOTR	235		Food and Beverage Services	2		
HOTR	101		Mixology and Bar Management	1		
HOTR	231		Serving Alcohol With Care	1		

COMM	122	Р	Communications II	3
EM	134	Ρ	Standard First Aid	1
HOTR	110		Quality Sanitation Management	2
COMM	123	Р	Communications III	3
HOTR	260		Marketing of Hospitality Services	3
HOTR	233		Food and Beverage Controls	3
COMM	104		Job Search Techniques	1
SUPR	117	Р	Hospitality Supervision	3
HOTR	224		Bar and Beverage Management	2
PSYC	154		Interpersonal Relationships	3
				34

#### Cooking

Objective: To prepare those persons seeking an entry level position as a cook and to provide the required courses for certified cook through the American Culinary Federation.

		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	ationi		
Course No.			Course Name	Credits	
CULA	101		Introduction to Culinary Arts	2	
CULA	105		Pastries and Desserts	3	
CULA	106		Meat, Poultry, and Seafood Processing	3	
CULA	150		Nutrition in Community Food Service	3	
			Operations		
CULA	201		Culinary Arts Lab I	6	
HOTR	110		Quality Sanitation Management	2	
CULA	111		Stocks, Sauces, and Soups	3	
CULA	112		Salads, Sandwiches, and Eggs	3	
CULA	113		A La Carte Cookery	3	
CULA	115		Breads and Baking Basics	3	
SUPR	117	P	Hospitality Supervision	3	
COMM	104		Job Search Techniques	1	
				35	

#### Engineering and Facility Management

Objective: To prepare the student to supervise or manage in engineering and facility management division in hotels, hospitals, schools, and larger corporations.

Course	No.		Course Name	Credits
HOTR	115	Р	Security Management	2
HOTR	263		Facilities Management	2
MICS	121		Microsoft Office	3
COMM	122	Р	Communications II	3
EM	134	Р	Standard First Aid	1
COMM	123	Р	Communications III	3
SUPR	117	Р	Hospitality Supervision	3
HOTR	225		Rooms Division Lab	4
				21

### **Executive Housekeeping Management Specialist**

Objective: To prepare the student to supervise or manage in hotels, hospitals, schools, and large corporations as housekeeper, maintaining the building and grounds.

the ound	iing and	i groun	us.	
Course No.			Course Name	Credits
HOTR	115	Р	Security Management	2
BUS	210		Human Resources Management	3
HOTR	263		Facilities Management	2
MICS	121		Microsoft Office	3
COMM	122	P	Communications II	3
EM	134	P	Standard First Aid	1
COMM	123	Р	Communications III	3
HOTR	241		Front Office Operations	3
HOTR	260		Marketing of Hospitality Services	3
HOTR	242	Р	Housekeeping Management	2
SUPR	117	Р	Hospitality Supervision	3
COMM	104		Job Search Techniques	1
PSYC	154		Interpersonal Relationships	3
HOTR	225		Rooms Division Lab	<u>4</u>
				36

## Food and Beverage Management Specialist

Objective: To prepare the student to supervise or manage a dining room, restaurant, banquet or conference center. Emphasis will be on organization and preparation of buffets as well.

Course No.			Course Name	Credits
HOTR	223		Food and Beverage Lab	4
HOTR	115	P	Security Management	2
HOTR	235		Food and Beverage Services	2

HOTR	263		Facilities Management	2
HOTR	101		Mixology and Bar Management	1
CULA	116		Hospitality Menu Planning	2
MICS	121		Microsoft Office	3
HOTR	231		Serving Alcohol With Care	1
COMM	122	Р	Communications II	3
EM	134	Р	Standard First Aid	1
HOTR	110		Quality Sanitation Management	2
COMM	123	Р	Communications III	3
HOTR	260		Marketing of Hospitality Services	3
HOTR	233		Food and Beverage Controls	3
CULA	112		Salads, Sandwiches, and Eggs	3
SUPR	117	Р	Hospitality Supervision	3
HOTR	234		Bar and Beverage Management	2
PSYC	154		Interpersonal Relationships	3
HOTR	114		Food Management and Preparation I	3
HOTR	119		Food Management and Preparation II	3
HOTR	140		Basic Financial Accounting	3
				53

### Marketing and Sales Management Specialist

Objective: To prepare the student to supervise or manage in sales and marketing divisions in hotels, hospitals, schools, and large corporations.

manice	19 011131	0113 111	moters, mospitals, seriodis, and large co	nporacions.
Course I	No.		Course Name	Credits
HOTR	226		Marketing and Sales Lab	4
HOTR	230		Food and Beverage Services	2
BUS	130		Sales	3
HOTR	101		Mixology	1
CULA	116		Hospitality Menu Planning	2
MICS	121		Microsoft Office	3
HOTR	124		Convention Management and Service	es 3
HOTR	231		Serving Alcohol With Care	1
COMM	122	Р	Communications II	3
COMM	123	Р	Communications III	3
HOTR	241	Р	Front Office Operations	3
HOTR	260		Marketing of Hospitality Services	3
HRCA	233		Food and Beverage Controls	3
SUPR	117	Р	Hospitality Supervision	3
HOTR	170		Hospitality Sales and Marketing	3
HOTR	234		Bar and Beverage Management	2
PSYC	154		Interpersonal Relationships	3
				45

## Rooms Division Management

Objective: To prepare the student to supervise or manage the rooms division of large corporations, hotels, hospitals, and schools.

UIVISIOII	or large	corpor	ations, noteis, nospitais, and schools.	
Course I	No.		Course Name	Credits
HOTR	225		Rooms Division Lab	4
HOTR	115	Р	Security Management	2
BUS	130		Sales	3
BUS	170	Р	Fundamentals of Business I	3
BUS	210		Human Resources Management	3
COMM	124	Р	Communications IV	3
COMM	122	Р	Communications II	3
COMM	123	Р	Communications III	3
HOTR	241	Р	Front Office Operations	3
COMM	104		Job Search Techniques	1
HOTR	140		Basic Financial Accounting	3
HOTR	242	Р	Housekeeping Management	2
SUPR	117	Р	Hospitality Supervision	3
PSYC	154		Interpersonal Relationships	<u>3</u>
				39

## Rooms Division Management Specialist

Objective: To prepare the student to supervise or manage the rooms division in hotels, hospitals, schools, and large corporations.

Course I	No.		Course Name	Credits
HOTR	223		Food and Beverage Lab	4
HRCA	120	Р	Security Management	2
BUS	130		Sales	3
MICS	121		Microsoft Office	3
HOTR	224		Financial Management Lab	4
COMM	122	P	Communications II	3
COMM	123	Р	Communications III	3
HOTR	241		Front Office Operations	3
COMM	104		Job Search Techniques	1

HOTR	242	Р	Housekeeping Management	2
SUPR	117	Р	Hospitality Supervision	3
PSYC	154		Interpersonal Relationships	3
HOTR	225		Rooms Division Lab	4
				38

## **Technical Certificates**

### Food Service Management

Objective: To prepare the student for employment in hotels, restaurants, hospitals, nursing homes, and prisons as entry level cooks and kitchen supervisors.

Course N	lo.		Course Name	Credits
CULA	150		Nutrition in Community Food Service	3
			Operations	
HOTR	110		Quality Sanitation Management	2
CULA	111		Stocks, Sauces, and Soups	3
CULA	112		Salads, Sandwiches, and Eggs	3
CULA	115		Breads and Baking Basics	3
CULA	116		Hospitality Menu Planning	2
HOTR	235		Food and Beverage Services	2
BUS	200		Business Law	3
COMM	122	.P	Communications II	3
COMM	135		Verbal Career Skills	3
EM	134	Р	Standard First Aid	1
MATH	150		Food Service Math	2
OAT	180	Р	Keyboarding	1
CULA	217		Classical and International Cuisine	3
CULA	218		American Regional Cuisine	3
HOTR	111		Food Management I	3
BUS	120	Р	Personal Finance	3
BUS	185		Retail Management	3
BUS	186		Retail Store Operations	3
HOTR	233	Р	Food and Beverage Controls	3
GS.	129		Orientation to College and Service	
			Learning	3
				55

## Hospitality Management

Objective: To prepare the student for employment in the hospitality industry in hotels, restaurants, and resorts providing services to guests and supervisory employees.

anu sup	CLAIZOLÀ	ciubio	yccs.	
Course	No.		Course Name	Credits
HOTR	241	Р	Front Office Operations	3
HOTR	242	Р	Housekeeping Management	2
HOTR	260		Marketing of Hospitality Services	3
HOTR	110		Quality Sanitation Management	2
CULA	111		Stocks, Sauces, and Soups	3
CULA	112		Salads, Sandwiches, and Eggs	3
HOTR	115	Р	Security Management	2
HOTR	121		Hospitality Ethics	2
HOTR	223	Р	Food and Beverage Controls	3
HOTR	234		Bar and Beverage Management	2
HOTR	235		Food and Beverage Services	2
BUS	100	Р	Small Business Management I	3
BUS	200		Business Law	3
COMM	122	Р	Communications II	3
COMM	135		Verbal Career Skills	3
EM	134	Р	Standard First Aid	1
MATH	150		Food Service Math	2
OAT	180	Р	Keyboarding	1
HOTR	140		Basic Financial Accounting	3
				46

## **Technologist Certificates**

## **Culinary Arts**

Objective: To prepare students for management positions in the food service industry with advanced training in management and problem/conflict resolution.

ourse N	o.	Cou	irse Name	Credits
CULA	108		Advanced Garde Manger	3
CULA	138		Classical Pastries	3
CULA	275		Food and Beverage Manager	5
HOTR	107	Ρ	Hospitality Industry Training	2

HOTR	108	Р	Hospitality Human Resource	2
HOTR	126	Р	Management Managing for Quality	<u>3</u> 18

Hotel	and	Restaurant	Management

moter and nestaurant management							
Course N	0.	Course Name	Credits				
HOTR	240	Hospitality Managerial Accounting	3				
HOTR	244	Audits and Controls for Lodging	2				
		Establishments					
HOTR	276	Introduction to Hospitality Real Estate	2				
HOTR	277	Architectural Development and Design	2				
HOTR	104	Hospitality Management Development	4				
CULA	116	Hospitality Menu Planning	2				
HOTR	236	Budgeting for Hospitality	3				
			18				

## School of Industrial Technology

## Technical Programs

Programs leading to an Associate Degree, Diploma or Technologist Certification.

Audio/Video Production and Engineering Compressed Air and Gas Systems Drafting and Design Electronics Industrial Ceramics

## Certificate Programs

Programs providing specific technical skills.

### Certificate of Completion

Awarded for successful completion of a course or series of courses (less than twelve credit hours) leading to acquisition of specific knowledge and skills.

Broadcast Production Industrial Hydraulics/Pneumatics Refrigeration

## Occupational Certificate

Awarded for successful completion of twelve or more credit hours in which the individual acquires knowledge and skills that are directly applicable to specific entry level employment.

Compressed Natural Gas Fill Station and Compressor Installation and Maintenance Compressor
Computer Builder/Maintenance Worker
Electronics
Natural Gas Vehicle Compressor Fill Station Specialist
Rotating Compressor Specialist

#### Technical Certificate

Awarded for successful completion of a prescribed sequence of courses within a given technology in which the certificate is offered. The total credit hours are at least 50% of the number required for the associate degree in that technology. The technical component will be 27–33 quarter hours with the balance being in general courses.

Basic Drafter
Industrial Plastics

## Audio/Video Production and Engineering For students entering June, 2002 through May, 2003

First Quarter <u>Course No.</u> BC 110 EE 150 BUS 120 COMM 122 OAT 180	P P P	Course Name Studio Production Technical Basis for Broadcast I Personal Finance Communications II Keyboarding	Type T T G G G	<u>Class</u> 2.00 3.00 3.00 3.00 1.00 12.00	<u>Lab</u> 3.00 3.00 0.00 0.00 1.00 7.00	Credit 3.00 4.00 3.00 3.00 1.00 14.00	Course Fee \$60 \$35 \$20 \$25
Second Quarter Course No. BC 210 EE 151 COMM 123 N MICS 112 COMM 130		Course Name Audio/Video Production I Technical Basis for Broadcast II Communications III (Writing for Television and Radio) Introduction to DOS Speech	Type T T G G	Class 2.00 3.00 3.00	<u>Lab</u> 3.00 3.00 0.00	<u>Credit</u> 3.00 4.00 3.00	Course Fee \$60 \$35 \$20
COMM 135		or Verbal Career Skills	G G	3.00 3.00 12.00	0.00 0.00 7.00	3.00 3.00 14.00	\$10 \$10
Third Quarter <u>Course No.</u> BC 207 BC 296 A EE 152 EE 240 DD 101	Р	Course Name Multitrack Audio Recording Broadcast Practicum I Technical Basis for Broadcasting III Computers for Electronic Technicians I Engineering Drawing I	Type T T T T T G	Class 2.00 2.00 3.00 3.00 1.00 11.00	Lab 3.00 8.00 3.00 3.00 5.00 22.00	<u>Credit</u> 3.00 3.00 4.00 4.00 3.00 17.00	<u>Course Fee</u> \$60 \$35 \$60 \$15
Summer Quarter Course No. See your advisor reg	arding cours	Course Name se offerings.	Туре	Class	<u>Lab</u>	<u>Credit</u>	Course Fee
Fourth Quarter           Course No.           BC         201           BC         215           BUS         100           MATH         108           PHYS         103	P P	Course Name Audio/Video Systems I Audio/Video Production II Small Business Management I Introduction to Algebra for Engineering Physics or Physics - Heat, Light, and Sound	Type T T G G G	Class 3.00 2.00 3.00 3.00 3.00 3.00 14.00	Lab 3.00 3.00 2.00 1.00 2.00	Credit 4.00 3.00 3.00 3.00 3.00 3.00	Course Fee \$60 \$50 \$5 \$16
Fifth Quarter Course No. BC 209 BC 230 BUS 101 DD 203 MATH 110	P P P	Course Name Audio/Video Systems II Advanced Post Production Small Business Management II Electrical Drawing Geometry and Trigonometry	Type T T G G G	<u>Class</u> 3.00 2.00 3.00 2.00 3.00 13.00	<u>Lab</u> 3.00 3.00 2.00 5.00 1.00 14.00	Credit 4.00 3.00 3.00 4.00 3.00 17.00	Course Fee \$60 \$60 \$5 \$5 \$60 \$16
Sixth Quarter Course No. BC 200 BC 296 B COMM 104 COMM 225 SOCI 169 BC •••	P P	Course Name Media Portfolio Development Broadcast Practicum II Job Search Techniques Technical Writing Human Relations in Organizations Broadcast Engineering Elective (Optional)	Type T T G G G	Class 2.00 2.00 1.00 3.00 3.00 0.00 11.00	Lab 3.00 8.00 0.00 0.00 0.00 0.00 11.00	Credit 3.00 3.00 1.00 3.00 3.00 3.00 0.25-3.00 13.00-16.00	Course Fee \$60 \$10 \$20 \$7
Technical Credit Hor	ırs	48.00-51.00					

Technical Credit Hours General Credit Hours Total Credit Hours 48.00-51.00 43.00 91.00- 94.00

## Compressed Air and Gas Systems For students entering June, 2002 through May, 2003

MATH 108 E	Course Name Precision Instruments A Introduction to Compressed Air Systems Compressed Air Applications Standard First Aid Introduction to Algebra for Engineering Communications II	Type T T T G G G	Class 1.00 3.00 3.00 1.00 3.00 3.00 14.00	<u>Lab</u> 1.00 0.00 0.00 0.00 1.00 0.00 2.00	Credit 1.00 3.00 3.00 1.00 3.00 3.00 14.00	<u>Course Fee</u> \$13 \$40 \$35 \$25 \$16 \$20
MICS 144	Course Name Precision Instruments B Reciprocating Compressors I Lubricants, Gears, and Bearings Air and Gas Condition Intermediate Algebra Introduction to Word Communications III	Type T T T T G G G	Class 1.00 2.00 2.00 1.00 3.00 1.00 3.00 13.00	<u>Lab</u> 1.00 6.00 0.00 6.00 1.00 1.00 0.00 15.00	Credit 1.00 4.00 2.00 3.00 3.00 1.00 3.00 17.00	Course Fee \$13 \$40 \$30 \$45 \$16 \$30 \$20
Third Quarter Course No. CAGS 100 C CAGS 116 CAGS 118 CAGS 117 COMM 124 PSYC 154	Course Name Precision Instruments C Reciprocating Compressors II Process Gas Compressors and Boosters Hydraulics and Pneumatics Communications IV Interpersonal Relationships	Type T T T G G G	Class 1.00 2.00 2.00 2.00 3.00 3.00 13.00	<u>Lab</u> 1.00 6.00 3.00 3.00 0.00 0.00 13.00	Credit 1.00 4.00 3.00 3.00 3.00 3.00 17.00	Course Fee \$13 \$40 \$40 \$40 \$20 \$7
Summer Quarter <u>Course No.</u> See your advisor regarding	Course Name course offerings.	<u>Туре</u>	Class	<u>Lab</u>	<u>Credit</u>	Course Fee
Fourth Quarter Course No. CAGS 200 CAGS 201 CAGS 208 ISE 201 PHYS 201 COMM 104	Course Name Rotary Screw Compressors Plant Equipment - Installation Basic Refrigeration Occupational Safety Physics - Motion Job Search Techniques	Type T T T G G G	Class 2.00 2.00 3.00 3.00 3.00 1.00 14.00	<u>Lab</u> 6.00 3.00 3.00 0.00 0.00 2.00 0.00 14.00	Credit 4.00 3.00 4.00 3.00 3.00 1.00 18.00	Course Fee \$30 \$30 \$45 \$5 \$30 \$10
Fifth Quarter Course No.  CAGS 202 CAGS 204 CAGS 210 COMM 225 SOCI 169 CAGS •••		Type T T T G G G	Class 2.00 2.00 2.00 3.00 3.00 0.00 12.00	<u>Lab</u> 3.00 3.00 3.00 0.00 0.00 0.00 9.00	Credit 3.00 3.00 3.00 3.00 3.00 3.00 0.25-3.00 15.00-18.00	Course Fee \$40 \$40 \$40 \$20 \$7
Sixth Quarter Course No. CAGS 205 CAGS 206 CAGS 207 SUPR 212 COMM 130 CAGS 296	Course Name Controls II Centrifugal Compressors Air Systems Design Industrial Supervision Speech Compressor Practicum (Required)	Type T T T G G G	Class 2.00 2.00 2.00 3.00 3.00 1.00 13.00	<u>Lab</u> 3.00 3.00 3.00 0.00 0.00 <u>7.00</u> 16.00	Credit 3.00 3.00 3.00 3.00 3.00 3.00 2.00 17.00	Course Fee \$50 \$40 \$40 \$5 \$10
Technical Credit Hours General Credit Hours Total Credit Hours	56.00-59.00 42.00 98.00-101.00					

## Drafting and Design For students entering June, 2002 through May, 2003

First Quarter							
Course No.		Course Name	Type	Class	Lob	Cuadit	C
DD 101	Р	Engineering Drawing I	T		<u>Lab</u>	Credit	Course Fee
				1.00	5.00	3.00	\$15
DD 203	Р	Electrical Drawing	T	2.00	5.00	4.00	\$60
DD 110	_	Discover Drafting	G	1.00	0.00	1.00	\$15
COMM 122	Р	Communications II	G	3.00	0.00	3.00	\$20
MATH 108 E		Introduction to Algebra for Engineering	G	3.00	1.00	3.00	\$16
SOCI 169	Р	Human Relations in Organizations	G	3.00	0.00	3.00	\$7
		,		13.00	11.00	17.00	Ψ,
					,,,,,,	11100	
Second Quarter							
Course No.		Course Name	Type	Class	Lab	Credit	Course Fee
DD 102	Р	Engineering Drawing II	T	1.00	5.00	3.00	\$60
DD 115	,	AutoCAD Concepts I	Ť	1.00			
ISE 107		Manufacturing I	†		3.00	2.00	\$60
	D			3.00	2.00	3.00	\$45
COMM 123	P	Communications III	G	3.00	0.00	3.00	\$20
EE 126	P	Introduction to Electricity	G	2.00	4.00	3.00	\$30
MATH 110	Р	Geometry and Trigonometry	G	3.00	1.00	3.00	\$16
				13.00	15.00	17.00	
Thind Over the							
Third Quarter		Course Nome	-	OI.		<b>.</b>	
Course No.		Course Name	Type	Class	<u>Lab</u>	Credit	Course Fee
DD 103	P	Engineering Drawing III	T	1.00	5.00	3.00	\$60
ISE 108		Manufacturing II	T	3.00	2.00	3.00	\$30
COMM 135		Verbal Career Skills	G	3.00	0.00	3.00	\$10
MATH 111	Р	Intermediate Algebra	G	3.00	1.00	3.00	\$16
PHYS 202	Р	Physics-Heat, Light, and Sound	G	3.00	2.00	3.00	\$30
PSYC 150	Р	Introduction to Psychology	Ğ	3.00	0.00	3.00	\$7
		or	Ü	0.00	0.00	5.00	Ψ7
SOCI 160		Introduction to Sociology	G	3.00	0.00	3.00	\$7
			•	16.00	10.00	18.00	Ψ7
					10.00	10.00	
Summer Quarter							
Course No.		Course Name	Type	Class	Lab	Credit	Course Fee
See your advisor regard	dina cour				Militari (Amilia	3114111	000130100
Fourth Quarter	9						
Fourth Quarter	9	Course Name	Tyne	Class	Lah	Cradit	Course Fee
Course No.	,	Course Name	<u>Type</u>	Class	<u>Lab</u>	<u>Credit</u>	Course Fee
Course No. DD 200	Р	Architecture I - Detailing	T	1.00	7.00	3.00	\$60
<u>Course No.</u> DD 200 DD 210	,	Architecture I - Detailing Geometric Tolerancing and Dimensioning	T	1.00 2.00	7.00 0.00	3.00 2.00	\$60 \$60
Course No.           DD         200           DD         210           DD         215	,	Architecture I - Detailing Geometric Tolerancing and Dimensioning AutoCAD Concepts II	T T T	1.00 2.00 2.00	7.00 0.00 4.00	3.00 2.00 3.00	\$60 \$60 \$70
Course No.           DD         200           DD         210           DD         215           ISE         109	,	Architecture I - Detailing Geometric Tolerancing and Dimensioning AutoCAD Concepts II Manufacturing III	T T T	1.00 2.00 2.00 2.00	7.00 0.00 4.00 4.00	3.00 2.00 3.00 3.00	\$60 \$60 \$70 \$40
Course No. DD 200 DD 210 DD 215 ISE 109 ISE 201	Р	Architecture I - Detailing Geometric Tolerancing and Dimensioning AutoCAD Concepts II Manufacturing III Occupational Safety	T T T T	1.00 2.00 2.00	7.00 0.00 4.00	3.00 2.00 3.00	\$60 \$60 \$70
Course No.           DD         200           DD         210           DD         215           ISE         109	,	Architecture I - Detailing Geometric Tolerancing and Dimensioning AutoCAD Concepts II Manufacturing III	T T T	1.00 2.00 2.00 2.00	7.00 0.00 4.00 4.00	3.00 2.00 3.00 3.00	\$60 \$60 \$70 \$40
Course No. DD 200 DD 210 DD 215 ISE 109 ISE 201	Р	Architecture I - Detailing Geometric Tolerancing and Dimensioning AutoCAD Concepts II Manufacturing III Occupational Safety	T T T T	1.00 2.00 2.00 2.00 2.00 3.00	7.00 0.00 4.00 4.00 0.00	3.00 2.00 3.00 3.00 3.00	\$60 \$60 \$70 \$40 \$5
Course No.           DD         200           DD         210           DD         215           ISE         109           ISE         201           PHYS         201	Р	Architecture I - Detailing Geometric Tolerancing and Dimensioning AutoCAD Concepts II Manufacturing III Occupational Safety	T T T T	1.00 2.00 2.00 2.00 3.00 3.00	7.00 0.00 4.00 4.00 0.00 2.00	3.00 2.00 3.00 3.00 3.00 3.00	\$60 \$60 \$70 \$40 \$5
Course No. DD 200 DD 210 DD 215 ISE 109 ISE 201 PHYS 201  Fifth Quarter	Р	Architecture I - Detailing Geometric Tolerancing and Dimensioning AutoCAD Concepts II Manufacturing III Occupational Safety Physics - Motion	T T T T	1.00 2.00 2.00 2.00 2.00 3.00 3.00 13.00	7.00 0.00 4.00 4.00 0.00 2.00	3.00 2.00 3.00 3.00 3.00 3.00	\$60 \$60 \$70 \$40 \$5
Course No.  DD 200  DD 210  DD 215  ISE 109  ISE 201  PHYS 201  Fifth Quarter Course No.	P P	Architecture I - Detailing Geometric Tolerancing and Dimensioning AutoCAD Concepts II Manufacturing III Occupational Safety Physics - Motion  Course Name	T T T T G	1.00 2.00 2.00 2.00 3.00 3.00 13.00	7.00 0.00 4.00 4.00 0.00 2.00	3.00 2.00 3.00 3.00 3.00 3.00	\$60 \$60 \$70 \$40 \$5
Course No.  DD 200  DD 210  DD 215  ISE 109  ISE 201  PHYS 201  Fifth Quarter  Course No.  DD 201	P P	Architecture I - Detailing Geometric Tolerancing and Dimensioning AutoCAD Concepts II Manufacturing III Occupational Safety Physics - Motion  Course Name Architecture II - Residential	T T T T T G	1.00 2.00 2.00 2.00 2.00 3.00 3.00 13.00	7.00 0.00 4.00 4.00 0.00 2.00 17.00	3.00 2.00 3.00 3.00 3.00 3.00 17.00	\$60 \$60 \$70 \$40 \$5 \$30
Course No.  DD 200  DD 210  DD 215  ISE 109  ISE 201  PHYS 201  Fifth Quarter Course No.	P P	Architecture I - Detailing Geometric Tolerancing and Dimensioning AutoCAD Concepts II Manufacturing III Occupational Safety Physics - Motion  Course Name	T T T T G	1.00 2.00 2.00 2.00 3.00 3.00 13.00	7.00 0.00 4.00 4.00 0.00 2.00 17.00	3.00 2.00 3.00 3.00 3.00 3.00 17.00	\$60 \$60 \$70 \$40 \$5 \$30 <u>Course Fee</u> \$60
Course No.  DD 200  DD 210  DD 215  ISE 109  ISE 201  PHYS 201  Fifth Quarter  Course No.  DD 201	P P	Architecture I - Detailing Geometric Tolerancing and Dimensioning AutoCAD Concepts II Manufacturing III Occupational Safety Physics - Motion  Course Name Architecture II - Residential	T T T T T G	1.00 2.00 2.00 2.00 3.00 3.00 13.00	7.00 0.00 4.00 4.00 0.00 2.00 17.00	3.00 2.00 3.00 3.00 3.00 3.00 17.00	\$60 \$60 \$70 \$40 \$5 \$30
Course No.  DD 200  DD 210  DD 215  ISE 109  ISE 201  PHYS 201  Fifth Quarter Course No.  DD 201  DD 202  COMM 104	P P	Architecture I - Detailing Geometric Tolerancing and Dimensioning AutoCAD Concepts II Manufacturing III Occupational Safety Physics - Motion  Course Name Architecture II - Residential Advanced Drafting/CAD Job Search Techniques	T T T T T G G	1.00 2.00 2.00 2.00 3.00 3.00 13.00 Class 1.00 2.00 1.00	7.00 0.00 4.00 4.00 0.00 2.00 17.00 Lab 5.00 4.00 0.00	3.00 2.00 3.00 3.00 3.00 3.00 17.00 Credit 3.00 3.00 1.00	\$60 \$60 \$70 \$40 \$5 \$30 Course Fee \$60 \$60 \$10
Course No.  DD 200  DD 210  DD 215  ISE 109  ISE 201  PHYS 201  Fifth Quarter Course No.  DD 201  DD 202  COMM 104  COMM 225	P P P	Architecture I - Detailing Geometric Tolerancing and Dimensioning AutoCAD Concepts II Manufacturing III Occupational Safety Physics - Motion  Course Name Architecture II - Residential Advanced Drafting/CAD Job Search Techniques Technical Writing	T T T T G G	1.00 2.00 2.00 2.00 3.00 3.00 13.00 Class 1.00 2.00 1.00 3.00	7.00 0.00 4.00 4.00 0.00 2.00 17.00 Lab 5.00 4.00 0.00 0.00	3.00 2.00 3.00 3.00 3.00 3.00 17.00 Credit 3.00 3.00 1.00 3.00	\$60 \$60 \$70 \$40 \$5 \$30 Course Fee \$60 \$60 \$10 \$20
Course No.  DD 200  DD 210  DD 215  ISE 109  ISE 201  PHYS 201  Fifth Quarter Course No.  DD 202  COMM 104  COMM 225  DD 204	P P P P	Architecture I - Detailing Geometric Tolerancing and Dimensioning AutoCAD Concepts II Manufacturing III Occupational Safety Physics - Motion  Course Name Architecture II - Residential Advanced Drafting/CAD Job Search Techniques Technical Writing Descriptive Geometry	T T T T G G	1.00 2.00 2.00 2.00 3.00 3.00 13.00 Class 1.00 2.00 1.00 3.00 2.00	7.00 0.00 4.00 4.00 0.00 2.00 17.00 Lab 5.00 4.00 0.00 0.00 4.00	3.00 2.00 3.00 3.00 3.00 3.00 17.00 Credit 3.00 3.00 1.00 3.00 3.00	\$60 \$60 \$70 \$40 \$5 \$30 Course Fee \$60 \$60 \$10 \$20 \$60
Course No.  DD 200  DD 210  DD 215  ISE 109  ISE 201  PHYS 201  Fifth Quarter  Course No.  DD 201  DD 202  COMM 104  COMM 225  DD 204  MATH 112	P P P	Architecture I - Detailing Geometric Tolerancing and Dimensioning AutoCAD Concepts II Manufacturing III Occupational Safety Physics - Motion  Course Name Architecture II - Residential Advanced Drafting/CAD Job Search Techniques Technical Writing Descriptive Geometry Advanced Algebra	T T T T G G T T G G G G	1.00 2.00 2.00 2.00 3.00 3.00 13.00 13.00 2.00 1.00 3.00 2.00 3.00	7.00 0.00 4.00 4.00 0.00 2.00 17.00 Lab 5.00 4.00 0.00 0.00 4.00	3.00 2.00 3.00 3.00 3.00 3.00 17.00 Credit 3.00 3.00 1.00 3.00 3.00 3.00	\$60 \$60 \$70 \$40 \$5 \$30 Course Fee \$60 \$60 \$10 \$20
Course No.  DD 200  DD 210  DD 215  ISE 109  ISE 201  PHYS 201  Fifth Quarter Course No.  DD 202  COMM 104  COMM 225  DD 204	P P P P	Architecture I - Detailing Geometric Tolerancing and Dimensioning AutoCAD Concepts II Manufacturing III Occupational Safety Physics - Motion  Course Name Architecture II - Residential Advanced Drafting/CAD Job Search Techniques Technical Writing Descriptive Geometry	T T T T G G	1.00 2.00 2.00 2.00 3.00 3.00 13.00 13.00 2.00 1.00 3.00 2.00 3.00 2.00 3.00	7.00 0.00 4.00 4.00 0.00 2.00 17.00 Lab 5.00 4.00 0.00 0.00 4.00 0.00	3.00 2.00 3.00 3.00 3.00 17.00 Credit 3.00 3.00 1.00 3.00 3.00 3.00 3.00 3.00	\$60 \$60 \$70 \$40 \$5 \$30 Course Fee \$60 \$60 \$10 \$20 \$60
Course No.  DD 200  DD 210  DD 215  ISE 109  ISE 201  PHYS 201  Fifth Quarter  Course No.  DD 201  DD 202  COMM 104  COMM 225  DD 204  MATH 112	P P P P	Architecture I - Detailing Geometric Tolerancing and Dimensioning AutoCAD Concepts II Manufacturing III Occupational Safety Physics - Motion  Course Name Architecture II - Residential Advanced Drafting/CAD Job Search Techniques Technical Writing Descriptive Geometry Advanced Algebra	T T T T G G T T G G G G	1.00 2.00 2.00 2.00 3.00 3.00 13.00 13.00 2.00 1.00 3.00 2.00 3.00	7.00 0.00 4.00 4.00 0.00 2.00 17.00 Lab 5.00 4.00 0.00 0.00 4.00	3.00 2.00 3.00 3.00 3.00 3.00 17.00 Credit 3.00 3.00 1.00 3.00 3.00 3.00	\$60 \$60 \$70 \$40 \$5 \$30 Course Fee \$60 \$60 \$10 \$20 \$60
Course No.  DD 200  DD 210  DD 215  ISE 109  ISE 201  PHYS 201  Fifth Quarter Course No.  DD 201  DD 202  COMM 104  COMM 225  DD 204  MATH 112  DD •••	P P P P	Architecture I - Detailing Geometric Tolerancing and Dimensioning AutoCAD Concepts II Manufacturing III Occupational Safety Physics - Motion  Course Name Architecture II - Residential Advanced Drafting/CAD Job Search Techniques Technical Writing Descriptive Geometry Advanced Algebra	T T T T G G T T G G G G	1.00 2.00 2.00 2.00 3.00 3.00 13.00 13.00 2.00 1.00 3.00 2.00 3.00 2.00 3.00	7.00 0.00 4.00 4.00 0.00 2.00 17.00 Lab 5.00 4.00 0.00 0.00 4.00 0.00	3.00 2.00 3.00 3.00 3.00 17.00 Credit 3.00 3.00 1.00 3.00 3.00 3.00 3.00 3.00	\$60 \$60 \$70 \$40 \$5 \$30 Course Fee \$60 \$60 \$10 \$20 \$60
Course No.  DD 200  DD 210  DD 215  ISE 109  ISE 201  PHYS 201  Fifth Quarter Course No.  DD 202  COMM 104  COMM 225  DD 204  MATH 112  DD •••  Sixth Quarter	P P P P	Architecture I - Detailing Geometric Tolerancing and Dimensioning AutoCAD Concepts II Manufacturing III Occupational Safety Physics - Motion  Course Name Architecture II - Residential Advanced Drafting/CAD Job Search Techniques Technical Writing Descriptive Geometry Advanced Algebra Drafting and Design Elective (Optional)	T T T T G G T T G G G G	1.00 2.00 2.00 2.00 3.00 3.00 13.00  Class 1.00 2.00 1.00 3.00 2.00 3.00 2.00 1.00 3.00	7.00 0.00 4.00 4.00 0.00 2.00 17.00 Lab 5.00 4.00 0.00 0.00 4.00 1.00 0.00 14.00	3.00 2.00 3.00 3.00 3.00 3.00 17.00  Credit 3.00 3.00 1.00 3.00 3.00 3.00 0.25-3.00 16.00-19.00	\$60 \$60 \$70 \$40 \$5 \$30 <b>Course Fee</b> \$60 \$10 \$20 \$60 \$16
Course No.  DD 200  DD 210  DD 215  ISE 109  ISE 201  PHYS 201  Fifth Quarter Course No.  DD 202  COMM 104  COMM 225  DD 204  MATH 112  DD •••  Sixth Quarter Course No.	P P P P	Architecture I - Detailing Geometric Tolerancing and Dimensioning AutoCAD Concepts II Manufacturing III Occupational Safety Physics - Motion  Course Name Architecture II - Residential Advanced Drafting/CAD Job Search Techniques Technical Writing Descriptive Geometry Advanced Algebra Drafting and Design Elective (Optional)	T T T T T T T T T T T T T T T T T T T	1.00 2.00 2.00 2.00 3.00 3.00 13.00  Class 1.00 2.00 1.00 3.00 2.00 3.00 0.00 12.00	7.00 0.00 4.00 4.00 0.00 2.00 17.00  Lab 5.00 4.00 0.00 4.00 1.00 0.00 14.00	3.00 2.00 3.00 3.00 3.00 3.00 17.00  Credit 3.00 3.00 3.00 3.00 3.00 3.00 3.00 3.0	\$60 \$60 \$70 \$40 \$5 \$30 <b>Course Fee</b> \$60 \$60 \$10 \$20 \$60 \$16
Course No.  DD 200  DD 210  DD 215  ISE 109  ISE 201  PHYS 201  Fifth Quarter  Course No.  DD 202  COMM 104  COMM 225  DD 204  MATH 112  DD •••  Sixth Quarter  Course No.  DD 205	P P P P	Architecture I - Detailing Geometric Tolerancing and Dimensioning AutoCAD Concepts II Manufacturing III Occupational Safety Physics - Motion  Course Name Architecture II - Residential Advanced Drafting/CAD Job Search Techniques Technical Writing Descriptive Geometry Advanced Algebra Drafting and Design Elective (Optional)  Course Name Die Design	T T T T T T T T T T T T T T T T T T T	1.00 2.00 2.00 2.00 3.00 3.00 13.00  Class 1.00 2.00 1.00 3.00 2.00 3.00 0.00 12.00	7.00 0.00 4.00 4.00 0.00 2.00 17.00 17.00 Lab 5.00 4.00 0.00 4.00 0.00 4.00 1.00 0.00 14.00	3.00 2.00 3.00 3.00 3.00 3.00 17.00  Credit 3.00 3.00 1.00 3.00 3.00 3.00 0.25-3.00 16.00-19.00  Credit 3.00	\$60 \$60 \$70 \$40 \$5 \$30 Course Fee \$60 \$10 \$20 \$60 \$16
Course No.  DD 200  DD 210  DD 215  ISE 109  ISE 201  PHYS 201  Fifth Quarter  Course No.  DD 201  DD 202  COMM 104  COMM 225  DD 204  MATH 112  DD •••  Sixth Quarter  Course No.  DD 205  ISE 213	P P P P	Architecture I - Detailing Geometric Tolerancing and Dimensioning AutoCAD Concepts II Manufacturing III Occupational Safety Physics - Motion  Course Name Architecture II - Residential Advanced Drafting/CAD Job Search Techniques Technical Writing Descriptive Geometry Advanced Algebra Drafting and Design Elective (Optional)  Course Name Die Design Control Systems II	T T T T T G G G G G T T	1.00 2.00 2.00 2.00 3.00 3.00 13.00  1.00 2.00 1.00 3.00 2.00 1.00 3.00 2.00 1.2.00  Class 2.00 3.00 0.00 12.00	7.00 0.00 4.00 4.00 0.00 2.00 17.00  Lab 5.00 4.00 0.00 4.00 0.00 14.00 14.00  Lab 4.00 0.00 12.00	3.00 2.00 3.00 3.00 3.00 3.00 17.00  Credit 3.00 3.00 1.00 3.00 3.00 3.00 0.25-3.00 16.00-19.00  Credit 3.00 3.00	\$60 \$60 \$70 \$40 \$5 \$30 Course Fee \$60 \$10 \$20 \$60 \$16
Course No.  DD 200  DD 210  DD 215  ISE 109  ISE 201  PHYS 201  Fifth Quarter  Course No.  DD 202  COMM 104  COMM 225  DD 204  MATH 112  DD •••  Sixth Quarter  Course No.  DD 205  ISE 213  SUPR 212	P P P P P P P	Architecture I - Detailing Geometric Tolerancing and Dimensioning AutoCAD Concepts II Manufacturing III Occupational Safety Physics - Motion  Course Name Architecture II - Residential Advanced Drafting/CAD Job Search Techniques Technical Writing Descriptive Geometry Advanced Algebra Drafting and Design Elective (Optional)  Course Name Die Design Control Systems II Industrial Supervision	T T T T T T T T T T T T T T T T T T T	1.00 2.00 2.00 2.00 3.00 3.00 13.00  Class 1.00 2.00 1.00 3.00 2.00 1.00 3.00 0.00 0.00 0.00 0.00 0.00 0	7.00 0.00 4.00 4.00 0.00 2.00 17.00  Lab 5.00 4.00 0.00 0.00 1.00 0.00 14.00  Lab 4.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	3.00 2.00 3.00 3.00 3.00 3.00 17.00  Credit 3.00 3.00 3.00 3.00 1.00 3.00 0.25- 3.00 16.00-19.00  Credit 3.00 3.00 3.00	\$60 \$60 \$70 \$40 \$5 \$30 Course Fee \$60 \$10 \$20 \$60 \$16
Course No.  DD 200  DD 215  ISE 109  ISE 201  PHYS 201  Fifth Quarter Course No.  DD 202  COMM 104  COMM 225  DD 204  MATH 112  DD •••  Sixth Quarter Course No.  DD 205  ISE 213  SUPR 212  BUS 120	P P P P	Architecture I - Detailing Geometric Tolerancing and Dimensioning AutoCAD Concepts II Manufacturing III Occupational Safety Physics - Motion  Course Name Architecture II - Residential Advanced Drafting/CAD Job Search Techniques Technical Writing Descriptive Geometry Advanced Algebra Drafting and Design Elective (Optional)  Course Name Die Design Control Systems II Industrial Supervision Personal Finance	T T T T T T T T T T T T T T T T T T T	1.00 2.00 2.00 2.00 3.00 3.00 13.00  13.00  Class 1.00 2.00 1.00 3.00 2.00 12.00  Class 2.00 3.00 3.00 3.00 3.00 3.00 3.00 3.00	7.00 0.00 4.00 4.00 0.00 2.00 17.00  Lab 5.00 4.00 0.00 0.00 1.00 0.00 14.00  Lab 4.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	3.00 2.00 3.00 3.00 3.00 3.00 17.00  Credit 3.00 3.00 3.00 3.00 3.00 0.25-3.00 16.00-19.00  Credit 3.00 3.00 3.00 3.00 3.00 3.00 3.00 3.0	\$60 \$60 \$70 \$40 \$5 \$30 <b>Course Fee</b> \$60 \$10 \$20 \$60 \$16 <b>Course Fee</b> \$60 \$60 \$5
Course No.  DD 200  DD 210  DD 215  ISE 109  ISE 201  PHYS 201  Fifth Quarter  Course No.  DD 202  COMM 104  COMM 225  DD 204  MATH 112  DD •••  Sixth Quarter  Course No.  DD 205  ISE 213  SUPR 212	P P P P P P P	Architecture I - Detailing Geometric Tolerancing and Dimensioning AutoCAD Concepts II Manufacturing III Occupational Safety Physics - Motion  Course Name Architecture II - Residential Advanced Drafting/CAD Job Search Techniques Technical Writing Descriptive Geometry Advanced Algebra Drafting and Design Elective (Optional)  Course Name Die Design Control Systems II Industrial Supervision	T T T T T T T T T T T T T T T T T T T	1.00 2.00 2.00 2.00 3.00 3.00 13.00  Class 1.00 2.00 1.00 3.00 2.00 12.00  Class 2.00 3.00 0.00 12.00  Class 2.00 3.00 3.00 3.00 3.00 3.00 3.00 3.00	7.00 0.00 4.00 4.00 4.00 0.00 2.00 17.00  Lab 5.00 4.00 0.00 4.00 1.00 0.00 14.00  Lab 4.00 2.00 0.00 0.00 0.00 0.00 0.00 0.00	3.00 2.00 3.00 3.00 3.00 3.00 17.00  Credit 3.00 3.00 3.00 3.00 3.00 0.25-3.00 16.00-19.00  Credit 3.00 3.00 3.00 3.00 3.00 3.00 3.00 3.0	\$60 \$60 \$70 \$40 \$5 \$30 Course Fee \$60 \$10 \$20 \$60 \$16
Course No.  DD 200  DD 215  ISE 109  ISE 201  PHYS 201  Fifth Quarter Course No.  DD 202  COMM 104  COMM 225  DD 204  MATH 112  DD •••  Sixth Quarter Course No.  DD 205  ISE 213  SUPR 212  BUS 120	P P P P P P P	Architecture I - Detailing Geometric Tolerancing and Dimensioning AutoCAD Concepts II Manufacturing III Occupational Safety Physics - Motion  Course Name Architecture II - Residential Advanced Drafting/CAD Job Search Techniques Technical Writing Descriptive Geometry Advanced Algebra Drafting and Design Elective (Optional)  Course Name Die Design Control Systems II Industrial Supervision Personal Finance	T T T T T T T T T T T T T T T T T T T	1.00 2.00 2.00 2.00 3.00 3.00 13.00  13.00  Class 1.00 2.00 1.00 3.00 2.00 12.00  Class 2.00 3.00 3.00 3.00 3.00 3.00 3.00 3.00	7.00 0.00 4.00 4.00 0.00 2.00 17.00  Lab 5.00 4.00 0.00 0.00 1.00 0.00 14.00  Lab 4.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	3.00 2.00 3.00 3.00 3.00 3.00 17.00  Credit 3.00 3.00 3.00 3.00 3.00 0.25-3.00 16.00-19.00  Credit 3.00 3.00 3.00 3.00 3.00 3.00 3.00 3.0	\$60 \$60 \$70 \$40 \$5 \$30 <b>Course Fee</b> \$60 \$10 \$20 \$60 \$16 <b>Course Fee</b> \$60 \$60 \$5
Course No. DD 200 DD 210 DD 215 ISE 109 ISE 201 PHYS 201  Fifth Quarter Course No. DD 202 COMM 104 COMM 225 DD 204 MATH 112 DD •••  Sixth Quarter Course No. DD 205 ISE 213 SUPR 212 BUS 120 NRM 123	P P P P P P	Architecture I - Detailing Geometric Tolerancing and Dimensioning AutoCAD Concepts II Manufacturing III Occupational Safety Physics - Motion  Course Name Architecture II - Residential Advanced Drafting/CAD Job Search Techniques Technical Writing Descriptive Geometry Advanced Algebra Drafting and Design Elective (Optional)  Course Name Die Design Control Systems II Industrial Supervision Personal Finance Surveying and Mapping I	T T T T T T T T T T T T T T T T T T T	1.00 2.00 2.00 2.00 3.00 3.00 13.00  Class 1.00 2.00 1.00 3.00 2.00 12.00  Class 2.00 3.00 0.00 12.00  Class 2.00 3.00 3.00 3.00 3.00 3.00 3.00 3.00	7.00 0.00 4.00 4.00 4.00 0.00 2.00 17.00  Lab 5.00 4.00 0.00 4.00 1.00 0.00 14.00  Lab 4.00 2.00 0.00 0.00 0.00 0.00 0.00 0.00	3.00 2.00 3.00 3.00 3.00 3.00 17.00  Credit 3.00 3.00 3.00 3.00 3.00 0.25-3.00 16.00-19.00  Credit 3.00 3.00 3.00 3.00 3.00 3.00 3.00 3.0	\$60 \$60 \$70 \$40 \$5 \$30 <b>Course Fee</b> \$60 \$10 \$20 \$60 \$16 <b>Course Fee</b> \$60 \$60 \$5
Course No.  DD 200  DD 210  DD 215  ISE 109  ISE 201  PHYS 201  Fifth Quarter  Course No.  DD 202  COMM 104  COMM 225  DD 204  MATH 112  DD 205  ISE 213  SUPR 212  BUS 120  NRM 123  Technical Credit Hours	P P P P P P	Architecture I - Detailing Geometric Tolerancing and Dimensioning AutoCAD Concepts II Manufacturing III Occupational Safety Physics - Motion  Course Name Architecture II - Residential Advanced Drafting/CAD Job Search Techniques Technical Writing Descriptive Geometry Advanced Algebra Drafting and Design Elective (Optional)  Course Name Die Design Control Systems II Industrial Supervision Personal Finance Surveying and Mapping I	T T T T T T T T T T T T T T T T T T T	1.00 2.00 2.00 2.00 3.00 3.00 13.00  Class 1.00 2.00 1.00 3.00 2.00 12.00  Class 2.00 3.00 0.00 12.00  Class 2.00 3.00 3.00 3.00 3.00 3.00 3.00 3.00	7.00 0.00 4.00 4.00 4.00 0.00 2.00 17.00  Lab 5.00 4.00 0.00 4.00 1.00 0.00 14.00  Lab 4.00 2.00 0.00 0.00 0.00 0.00 0.00 0.00	3.00 2.00 3.00 3.00 3.00 3.00 17.00  Credit 3.00 3.00 3.00 3.00 3.00 0.25-3.00 16.00-19.00  Credit 3.00 3.00 3.00 3.00 3.00 3.00 3.00 3.0	\$60 \$60 \$70 \$40 \$5 \$30 <b>Course Fee</b> \$60 \$10 \$20 \$60 \$16 <b>Course Fee</b> \$60 \$60 \$5
Course No.  DD 200  DD 215  ISE 109  ISE 201  PHYS 201  Fifth Quarter  Course No.  DD 202  COMM 104  COMM 225  DD 204  MATH 112  DD 205  ISE 213  SUPR 212  BUS 120  NRM 123  Technical Credit Hours  General Credit Hours	P P P P P P	Architecture I - Detailing Geometric Tolerancing and Dimensioning AutoCAD Concepts II Manufacturing III Occupational Safety Physics - Motion  Course Name Architecture II - Residential Advanced Drafting/CAD Job Search Techniques Technical Writing Descriptive Geometry Advanced Algebra Drafting and Design Elective (Optional)  Course Name Die Design Control Systems II Industrial Supervision Personal Finance Surveying and Mapping I  50.00-53.00 50.00	T T T T T T T T T T T T T T T T T T T	1.00 2.00 2.00 2.00 3.00 3.00 13.00  Class 1.00 2.00 1.00 3.00 2.00 12.00  Class 2.00 3.00 0.00 12.00  Class 2.00 3.00 3.00 3.00 3.00 3.00 3.00 3.00	7.00 0.00 4.00 4.00 4.00 0.00 2.00 17.00  Lab 5.00 4.00 0.00 4.00 1.00 0.00 14.00  Lab 4.00 2.00 0.00 0.00 0.00 0.00 0.00 0.00	3.00 2.00 3.00 3.00 3.00 3.00 17.00  Credit 3.00 3.00 3.00 3.00 3.00 0.25-3.00 16.00-19.00  Credit 3.00 3.00 3.00 3.00 3.00 3.00 3.00 3.0	\$60 \$60 \$70 \$40 \$5 \$30 <b>Course Fee</b> \$60 \$10 \$20 \$60 \$16 <b>Course Fee</b> \$60 \$60 \$5
Course No.  DD 200  DD 210  DD 215  ISE 109  ISE 201  PHYS 201  Fifth Quarter  Course No.  DD 202  COMM 104  COMM 225  DD 204  MATH 112  DD 205  ISE 213  SUPR 212  BUS 120  NRM 123  Technical Credit Hours	P P P P P P	Architecture I - Detailing Geometric Tolerancing and Dimensioning AutoCAD Concepts II Manufacturing III Occupational Safety Physics - Motion  Course Name Architecture II - Residential Advanced Drafting/CAD Job Search Techniques Technical Writing Descriptive Geometry Advanced Algebra Drafting and Design Elective (Optional)  Course Name Die Design Control Systems II Industrial Supervision Personal Finance Surveying and Mapping I	T T T T T T T T T T T T T T T T T T T	1.00 2.00 2.00 2.00 3.00 3.00 13.00  Class 1.00 2.00 1.00 3.00 2.00 12.00  Class 2.00 3.00 0.00 12.00  Class 2.00 3.00 3.00 3.00 3.00 3.00 3.00 3.00	7.00 0.00 4.00 4.00 4.00 0.00 2.00 17.00  Lab 5.00 4.00 0.00 4.00 1.00 0.00 14.00  Lab 4.00 2.00 0.00 0.00 0.00 0.00 0.00 0.00	3.00 2.00 3.00 3.00 3.00 3.00 17.00  Credit 3.00 3.00 3.00 3.00 3.00 0.25-3.00 16.00-19.00  Credit 3.00 3.00 3.00 3.00 3.00 3.00 3.00 3.0	\$60 \$60 \$70 \$40 \$5 \$30 <b>Course Fee</b> \$60 \$10 \$20 \$60 \$16 <b>Course Fee</b> \$60 \$60 \$5

## **Electronics**

For students entering June, 2002 through May, 2003

First Quarter Course No. EE 261 BUS 120 COMM 122 EE 101 MATH 108 E OAT 180	P P	Course Name Digital Logic I Personal Finance Communications II D.C. Circuits Introduction to Algebra for Engineering Keyboarding	Type T G G G G G	Class 3.00 3.00 3.00 3.00 3.00 1.00 16.00	<u>Lab</u> 3.00 0.00 0.00 3.00 1.00 1.00 8.00	Credit 4.00 3.00 3.00 4.00 3.00 1.00 18.00	Course Fee \$35 \$20 \$35 \$16 \$25
Second Quarter Course No. EE 262 COMM 123 DD 207 EE 102 MATH 110 MICS 112	P P	Course Name Digital Logic II Communications III Electronic Drawing A.C. Circuits Geometry and Trigonometry Introduction to DOS	Type T G G G G G	Class 3.00 3.00 2.00 3.00 3.00 1.00 15.00	<u>Lab</u> 3.00 0.00 4.00 3.00 1.00 1.00 12.00	Credit 4.00 3.00 3.00 4.00 3.00 1.00 18.00	Course Fee \$35 \$20 \$60 \$35 \$16 \$25
Third Quarter Course No. EE 109 EE 240 DD 101 PHYS 201 COMM 130	P P	Course Name Semiconductor Devices I Computers for Electronic Technicians I Engineering Drawing I Physics – Motion Speech or Verbal Career Skills	Type T T G G G	Class 3.00 3.00 1.00 3.00 3.00 3.00 13.00	<u>Lab</u> 3.00 3.00 5.00 2.00 0.00 13.00	Credit 4.00 4.00 3.00 3.00 3.00 3.00 17.00	Course Fee \$35 \$60 \$15 \$30 \$10
Summer Quarter <u>Course No.</u> See your advisor regard	ling cours	Course Name se offerings.	<u>Type</u>	Class	<u>Lab</u>	<u>Credit</u>	Course Fee
Fourth Quarter <u>Course No.</u> EE 115 EE 119 EE 123 EE 241 COMM 225	P	Course Name Semiconductor Devices II Electronic Communication I Electronic Applications I Computer for Electronic Technicians II Technical Writing	Type T T T T G	Class 3.00 2.00 1.00 3.00 3.00 12.00	Lab 3.00 3.00 3.00 3.00 0.00 12.00	Credit 4.00 3.00 2.00 4.00 3.00 16.00	Course Fee \$35 \$35 \$35 \$35 \$60 \$20
Fifth Quarter <u>Course No.</u> EE 124 EE 160 EE 225 EE 230 COMM 104		Course Name Electronic Applications II Electronic Equipment Maintenance I Industria Electronics I Linear IC's Job Search Techniques	Type T T T T G	Class 1.00 3.00 2.00 2.00 1.00 9.00	<u>Lab</u> 3.00 3.00 3.00 3.00 0.00 12.00	Credit 2.00 4.00 3.00 3.00 1.00 13.00	Course Fee \$35 \$60 \$35 \$35 \$10
Sixth Quarter <u>Course No.</u> EE 161  EE 226  EE 228  EE 296  SOCI 169  EE 227  EE •••  Technical Credit Hours	Р	Course Name Electronic Equipment Maintenance II Electronic Certification Industrial Electronics II Electronic Practicum Human Relations in Organizations Current Topics and Technology (Optional) Electronics Elective (Optional)	Type T T T T G T T	Class 3.00 1.00 2.00 2.00 3.00 0.50 0.00 11.00-11.50	Lab 3.00 3.00 3.00 8.00 0.00 0.00 0.00 17.00	Credit 4.00 2.00 3.00 3.00 3.00 0.50-5.00 0.25-3.00 15.00-23.00	<u>Course Fee</u> \$60 \$35 \$7
General Credit Hours Total Credit Hours		44.00 97.00-105.00					

## **Industrial Ceramics**

For students entering June, 2002 through May, 2003

First Quarter Course No. CER 105 CER 110 CHEM 100 COMM 122 MATH 108 E MICS 121	Course Name Structural Clay Products Focus on Ceramics I Introduction to Chemistry I Communications II Introduction to Algebra for Engineering Microsoft Office	Type T G G G G G	Class 3.00 1.00 3.00 3.00 3.00 2.00 15.00	Lab 2.00 1.00 2.00 0.00 1.00 3.00 9.00	Credit 3.00 1.00 3.00 3.00 3.00 3.00 16.00	Course Fee \$60 \$30 \$20 \$16 \$45
Second Quarter           Course No.           CER         120           DD         101         F           CHEM         102         C           COMM         123         F           COMM         135         MATH         110         F	Introduction to Chemistry II Communications III Verbal Career Skills	Type T T G G G G	Class 3.00 1.00 3.00 3.00 3.00 3.00 16.00	<u>Lab</u> 2.00 5.00 2.00 0.00 0.00 1.00 10.00	Credit 3.00 3.00 3.00 3.00 3.00 3.00 3.00 18.00	Course Fee \$60 \$15 \$30 \$20 \$10 \$16
Third Quarter Course No. CER 104 CER 130 DD 104 P DD 105 P MATH 111 P PHYS 202 P SOCI 165	AutoCAD Applications Intermediate Algebra	Type T T T T G G G	Class 3.00 3.00 1.00 1.00 3.00 3.00 3.00 17.00	Lab 2.00 2.00 1.00 3.00 1.00 2.00 0.00 11.00	Credit 3.00 3.00 1.00 2.00 3.00 3.00 3.00 3.00 18.00	Course Fee \$60 \$60 \$20 \$40 \$16 \$30 \$ 7
Summer Quarter Course No. See your advisor regarding	<u>Course Name</u> course offerings.	<u>Type</u>	Class	<u>Lab</u>	Credit	Course Fee
Fourth Quarter Course No. CER 203 CER 210 EE 126 P CER 115 MATH 112 P SOCI	Focus on Ceramics II	Type T T T G G G	Class 2.00 3.00 2.00 1.00 3.00 3.00 14.00	<u>Lab</u> 4.00 3.00 4.00 1.00 1.00 0.00 13.00	Credit 3.00 4.00 3.00 1.00 3.00 1.7.00	Course Fee \$60 \$60 \$30 \$16
Fifth Quarter Course No. CER 220 CER 230 ISE 130 ISE 210 COMM 104 BUS	Course Name Engineering Ceramics Design of Experiments and Statistical Applications AC Power Systems Control Systems I Job Search Techniques Business Elective (Required)	Type T T T T G G	Class 3.00 3.00 3.00 3.00 1.00 0.00 13.00	Lab 2.00 2.00 2.00 2.00 0.00 0.00 8.00	Credit 3.00 3.00 3.00 3.00 1.00 3.00 1.00 16.00	Course Fee \$60 \$10
Sixth Quarter         Course No.       208         CER       208         CER       296         ISE       213         SUPR       212         COMM       225       P         CER       205	Course Name Technical Laboratory Ceramic Practicum Control Systems II Industrial Supervision Technical Writing Current Topics and Technology (Optional)	Type T T T T G	Class 3.00 1.00 3.00 3.00 3.00 0.50 13.00-13.50	Lab 3.00 8.00 2.00 0.00 0.00 0.00 13.00	Credit 4.00 2.00 3.00 3.00 3.00 0.50-3.00 15.00-18.00	Course Fee \$60 \$60 \$ 5 \$20
Technical Credit Hours General Credit Hours Total Credit Hours	52.00-55.00 48.00 100.00-103.00					

# School of Industrial Technology Certificates

## Certificate of Completion

#### **Broadcast Production**

Objective: To prepare students for entry level employment in the broadcast production field.

Course	e No.	Course Name	Credits
BC	110	Studio Production	3
BC	210	Audio/Video Production I	3
BC	215	Audio/Video Production II	3
BC	230	Advanced Post Production	<u>3</u>
			12

### Industrial Hydraulics/Pneumatics

Objective: To prepare the student for certification through the Fluid Power Society that verifies technician competency in the areas of industrial hydraulic and pneumatic air systems.

Course	No.	Course Name	Credits
CAGS	117	Hydraulics and Pneumatics	3
		or	
CAGS	281	FPS Pneumatic Technician	2
		Certification	2-3

### Refrigeration

Objective: To prepare the student for EPA mandated certification that permits the technician to service refrigeration dryers in compressed air systems and dispose of refrigerants.

Course	No.	Course Name	Credits
CAGS	280	Refrigerant Technician Seminar	1
			1

## **Occupational Certificates**

CNG Fill Station and Compressor Installation and Maintenance

Course l	No.		Course Name	Credits
CAGS	110		Reciprocating Compressor I	4
CAGS	202		Controls I	3
CAGS	207		Air System Design	3
DD	101	Р	Engineering Drawing I	3
COMM	122	Р	Communications II	3
COMM	123	Р	Communications III	3
COMM	124	Р	Communications IV	3
COMM	225	Р	Technical Writing	3
				25

Compres	sor			
Course N	lo.		Course Name	Credits
CAGS	100		Precision Instruments	3
CAGS	101		Introduction to Compressed Air	3
			Systems	
CAGS	102		Compressed Air Applications	3
CAGS	110		Reciprocating Compressors I	4
CAGS	112		Air and Gas Conditioning	3
CAGS	116		Reciprocating Compressors II	4
CAGS	117		Hydraulics and Pneumatics	3
CAGS	118		Processor Gas Compressor/Boosters	3
MATH	108 E	P	Introduction to Algebra for	3
			Engineering	
COMM	122	Ρ	Communications II	3
COMM	123	P	Communications III	3

#### Computer Builder/Maintenance Worker

Objective: To repair, maintain, and upgrade personal computers.

Cours	e No.	Course Name	Credits
EE	240	Computers/Electronic Technician I	4
EE	241	Computers/Electronic Technician II	4
EE	262	Digital Logic II	4

EE	261	Digital Logic I	<u>4</u>
			16

#### Electronics

Objective: To prepare students for entry level employment as an electronic parts clerk/inspector or an electronic draftsman in training.

Course	No.		Course Name	Credits
EE	101		D.C. Circuits	4
EE	102		A.C. Circuits	4
EE	261		Digital Logic I	4
MATH	108 E	Р	Introduction to Algebra for	3
			Engineering	
DD	207	Р	Electronic Drawing	3
EE	109		Semiconductor Devices I	4
EE	123		Electronic Applications	2
			• •	24

### NGV Compressor Fill Station Specialist

Objective: To provide the student with special skills to maintain, troubleshoot, and repair NGV compressor stations.

Course	No.		Course Name	Credits
CAGS	100		Precision Instruments	3
MATH	108 E	Ρ	Introduction to Algebra for	3
			Engineering	
CAGS	111		Lubricants, Gears, and Bearings	2
CAGS	112		Air and Gas Conditioning	3
ISE	201		Occupational Safety	3
CAGS	202		Controls I	3
CAGS	205		Controls II	3
CAGS	110		Reciprocating Compressors I	4
			- '	24

#### Rotating Compressor Specialist

Objective: To provide student with special skills to maintain, trouble-shoot, and repair rotating compressors.

Course	No.	Course Name	Credits
CAGS	117	Hydraulics and Pneumatics	3
CAGS	200	Rotary Screw Compressors	4
ISE	201	Occupational Safety	3
CAGS	202	Controls I	3
CAGS	208	Basic Refrigeration	4
CAGS	206	Centrifugal Compressors	3
			20

## **Technical Certificates**

Objective: To prepare an entry level drafter.

## Basic Drafter

SOCI

**PSYC** 

SOCI

ISE

35

169

150

160

110

Course No. Course Name Credits 101 Engineering Drawing I MATH 108 E Ρ Introduction to Algebra for 3 Engineering COMM 122 Communications II 3 DD 102 Engineering Drawing II 3 Manufacturing I ISE 108 3 MATH 110 Geometry and Trigonometry COMM Communications III 123 3 DD Engineering Drawing III 103 3 DD 115 AutoCAD Concepts I Architecture I - Detailing DD 200 3 DD 203 **Electrical Drawing** DD 215 AutoCAD Concepts II 3 ISE 109 Manufacturing II 3 MATH 203 Intermediate Algebra

Industri	ial Plastics		
Course	No.	Course Name	Credits
CER	207	Standards in Industry	3
MATL	100	Properties of Materials	3
MATL	102	Steel and Mechanical Properties	3

Manufacturing III

Human Relations in Organizations

Introduction to Psychology

Introduction to Sociology

3

3

3

51

MATL	103		Material Properties of Polymers	3
MATL	111		Processing Polymers	3
DD	101	Р	Engineering Drawing I	3
DD	104	Р	Introduction to AutoCAD	1
ISE	115		Environmental and Safety	3
			Fundamentals	
CHEM	100		Introduction to Chemistry I	3
MICS	121		Microsoft Office	3
COMM	122	Ρ	Communications II	3
COMM	123	Р	Communications III	3
CHEM	102		Introduction to Chemistry II	3
MATL	205		Composite Compositions	3
MATH	108	Р	Introduction to Algebra	3
MATH	110	Р	Geometry and Trigonometry	3
MATH	111	Р	Intermediate Algebra	3
			•	49

## School of Natural Resources

## Technical Programs

Programs leading to an Associate Degree, Diploma or Technologist Certification.

Archaeology

Backcountry Horsemanship

Backcountry Horsemanship and Wilderness Skills

Ecotourism and Adventure Travel

**Environmental Restoration** 

Equine Health and Complimentary Therapies

Farrier Science and Business

Fish Management and Aquaculture

Forest Management

Natural and Historical Interpretation

Natural Resource Management

Ranger Services

Reclamation

Wildlife Management

### Certificate Programs

Programs providing specific technical skills.

## Certificate of Completion

Awarded for successful completion of a course or series of courses (less than twelve credit hours) leading to acquisition of specific knowledge and skills.

Backpacking and Survival

Herbal Studies

Nature Art

Wilderness Skills I

Wilderness Skills II

## Occupational Certificate

Awarded for successful completion of twelve or more credit hours in which the individual acquires knowledge and skills that are directly applicable to specific entry level employment.

Apprentice Field Operator

Apprentice Field Operator Maintenance

Apprentice Field Operator Reclamation

Aquaculture and Fish Hatchery Aide

Archaeological Laboratory Methods

Archaeological Field Methods

Backcountry Horse I

Backcountry Horse II

Fisheries Conservation Aide

Forester's Aide

Geographic Information and Global Positioning Systems (GIS/GPS)

Park Maintenance

Timber Harvesting and Tree Care I

Timber harvesting and Tree Care II

Water Adventure Leader

Wilderness Adventure Travel Leader

Wilderness Skills and Adventure Leader - Land

Wilderness Skills and Adventure Leader - Water Wildlife Conservation Aide I Wildlife Conservation Aide II Wood Procurement

## Technologist Certificate

Awarded for successful completion of higher level courses which provide academic rigor and depth beyond the associate degree. These courses may serve as a bridge to a baccalaureate degree program.

Environmental Restoration

## Archaeology For students entering June, 2002 through May, 2003

First Quarter Course No. ARCH 101 ARCH 102 ARCH 210 COMM 122 GEOL 101 MATH 108N	P	Course Name Principles of Archaeology World Prehistory Archaeological Careers Communications II Geology Introduction to Algebra for Natural Resources	Type T T G G G G	Class 4.00 4.00 1.00 3.00 2.00 3.00 17.00	<u>Lab</u> 0.00 0.00 0.00 0.00 0.00 3.00 1.00 4.00	Credit 4.00 4.00 1.00 3.00 3.00 3.00 18.00	\$20 \$25 \$16
Second Quarter Course No. ARCH 217 ARCH 110 BIOS 130 LANG 110		Course Name Peruvian Prehistory Peruvian Ethnology Rainforest Ecology Spanish	Type T G G G	Class 3.00 2.00 1.00 5.00 11.00	<u>Lab</u> 6.00 3.00 6.00 0.00 15.00	<u>Credit</u> 5.00 3.00 3.00 5.00 16.00	<u>Course Fee</u> \$690 \$414 \$414 \$690
Third Quarter Course No. ARCH 103 ARCH 104 ARCH 105 NRM 123 ARCH 280		Course Name North American Prehistory Archaeology Lab Methods - Lithics Geoarchaeology Surveying and Mapping I Cultural Anthropology	Type T T T T G	Class 4.00 1.00 2.00 2.00 4.00 13.00	Lab 3.00 3.00 6.00 3.00 0.00 15.00	Credit 5.00 2.00 4.00 3.00 4.00 18.00	Course Fee \$20 \$10 \$15
Fourth Quarter Course No. ARCH 201 NRM 124		<u>Course Name</u> Archaeological Field Methods Surveying and Mapping II	<u>Type</u> T T	<u>Class</u> 4.00 <u>2.00</u> 6.00	<u>Lab</u> 24.00 <u>3.00</u> 27.00	<u>Credit</u> 12.00 3.00 15.00	<u>Course Fee</u> \$100 \$15
Fifth Quarter Course No.  ARCH 202 ARCH 212 ARCH 214 ARCH 220 GEO 100 BIOS 120 COMM 123	Р	Course Name Photography for Archaeology Archaeology Research Lab Archaeology Lab Methods - Zooarchaeology Historic Preservation and Environmental Law Introduction to GIS Botany Communications III	Type T T T T T G G	Class 0.00 1.00 1.00 2.00 1.00 2.00 3.00 10.00	<u>Lab</u> 6.00 6.00 3.00 3.00 3.00 3.00 0.00 24.00	Credit 2.00 3.00 2.00 3.00 2.00 3.00 3.00 3.00	Course Fee \$150 \$10 \$20 \$55 \$40 \$20
Sixth Quarter           Course No.           ARCH         216           GEO         102           BIOS         170           MATH         110           MICS         121           COMM         130	P	Course Name Archaeology Lab Methods - Prehistoric Ceramics Introduction to GPS Zoology Geometry and Trigonometry Microsoft Office Speech or Verbal Career Skills	Type T T G G G G	Class 1.00 1.00 2.00 3.00 2.00 3.00 3.00 12.00	<u>Lab</u> 3.00 3.00 3.00 1.00 3.00 0.00 0.00 13.00	Credit 2.00 2.00 3.00 3.00 3.00 3.00 3.00 16.00	Course Fee \$20 \$55 \$40 \$16 \$45 \$10
Technical Credit Hours General Credit Hours Total Credit Hours		58.00 43.00 101.00					

## Backcountry Horsemanship For students entering June, 2002 through May, 2003

First Qua	rter							
Course No	0.		Course Name	Type	Class	Lab	Credit	Course Fee
BIOS	109		Dendrology	T	2.00	3.00	3.00	\$35
EQSI	103		Horse Care Handling	Ť	2.00	5.00	3.00	ΨΟΟ
EQSI	110		Horsemanship I: Beginning Riding	Ť	2.00	3.00	3.00	\$200
NRM	110		Chainsaw Operation	Ť	0.00	2.00		
NRM	130						1.00	\$85
			Recreation Area Equipment	T	0.00	2.00	1.00	\$65
BIOS	120	0	Botany	G	2.00	3.00	3.00	\$40
COMM	122	Р	Communications II	G	3.00	0.00	3.00	\$20
MICS	121A		Microsoft Office - Word Processing	G	1.00	1.00	1.00	\$15
NRM	169		Natural Resources Exposition I (Optional)	T	0.00	<u>1.50</u>	0.50	
					12.00	19.00-20.50	18.00-18.50	
Second Q	uarter							
Course No	0.		Course Name	Type	Class	Lab	Credit	Course Fee
WLM	156		Wildlife Investigative Techniques I	G	2.00	3.00	3.00	\$35
EQSI	115		Horsemanship II - Intermediate Riding	Ť	2.00	3.00	3.00	\$200
BIOS	170		Zoology	Ġ	2.00	3.00	3.00	\$40
COMM	123	Р	Communications III	G	3.00	0.00	3.00	
EQSI	111	'	Equine Employment Seminar	G				\$20
MATH	108N				2.00	0.00	2.00	\$80
			Introduction to Algebra for Natural Resources	G	3.00	1.00	3.00	\$16
MICS	121B		Microsoft Office - Database	G	<u>1.00</u>	1.00	1.00	\$15
					15.00	11.00	18.00	
Third Qua								
Course No			Course Name	Type	<u>Class</u>	<u>Lab</u>	<u>Credit</u>	Course Fee
EQSI	120		Horsemanship III - Advanced Trail Riding	T	2.00	3.00	3.00	\$200
NRM	125		Map Reading and Interpretation	T	2.00	2.00	2.00	
NRM	134		Environmental Issues	T	2.00	3.00	3.00	
BIOS	132		Field Biology	G	2.00	3.00	3.00	\$25
GEOL	105		Soils	G	2.00	3.00	3.00	Ψ20
MICS	121C		Microsoft Office - Spreadsheet	Ğ	1.00	1.00	1.00	\$15
SOCI	***		Social Science Elective (Required)	G	3.00	0.00		<b>\$15</b>
3001			Social Science Elective (nequired)	U			3.00	
Summer (	Junetor				14.00	15.00	18.00	
			Causea Nama	T	01	1	0 "	
Course No	NAME OF TAXABLE PARTY.		Course Name	Type	<u>Class</u>	<u>Lab</u>	<u>Credit</u>	Course Fee
EQSI	294		Equine Science Cooperative Work Experience	T	2.00	40.00	6.00	
			or					
EQSI	296		Equine Science Practicum	T	1.00	7.00	2.00	
EQSI	255		Advanced Packing and Wilderness Skills (Optional)	T	0.00	12.00	4.00	\$380
					1.00-2.00	7.00-52.00	2.00-10.00	
		Fourth	Quarter					
Course No	).	Fourth		Type	Class	Lab	Credit	Course Fee
Course No		Fourth	Course Name	<u>Type</u>	Class 2.00	<u>Lab</u>	Credit	Course Fee
EQSI	200	Fourth	Course Name Horse Packing	T	2.00	3.00	3.00	\$75
EQSI FOR	200 222	Fourth	Course Name Horse Packing Introduction to Forestry	T T	2.00 2.00	3.00 3.00	3.00 3.00	\$75 \$50
EQSI FOR NRM	200 222 113	Fourth	Course Name Horse Packing Introduction to Forestry Watercraft Operations and Maintenance	T T	2.00 2.00 0.00	3.00 3.00 4.00	3.00 3.00 2.00	\$75
EQSI FOR NRM NRM	200 222 113 210	Fourth	Course Name Horse Packing Introduction to Forestry Watercraft Operations and Maintenance Woodland Ecology	T T T	2.00 2.00 0.00 2.00	3.00 3.00 4.00 3.00	3.00 3.00 2.00 3.00	\$75 \$50 \$75
EQSI FOR NRM NRM NRM	200 222 113 210 217	Fourth	Course Name Horse Packing Introduction to Forestry Watercraft Operations and Maintenance Woodland Ecology Aquatic Ecology	T T T T	2.00 2.00 0.00 2.00 2.00	3.00 3.00 4.00 3.00 3.00	3.00 3.00 2.00 3.00 3.00	\$75 \$50 \$75 \$25
EQSI FOR NRM NRM NRM WLM	200 222 113 210 217 215	Fourth	Course Name Horse Packing Introduction to Forestry Watercraft Operations and Maintenance Woodland Ecology Aquatic Ecology Wildlife Management I	T T T T T	2.00 2.00 0.00 2.00 2.00 2.00	3.00 3.00 4.00 3.00 3.00 3.00	3.00 3.00 2.00 3.00 3.00 3.00	\$75 \$50 \$75
EQSI FOR NRM NRM NRM	200 222 113 210 217	Fourth	Course Name Horse Packing Introduction to Forestry Watercraft Operations and Maintenance Woodland Ecology Aquatic Ecology	T T T T	2.00 2.00 0.00 2.00 2.00 2.00 0.00	3.00 3.00 4.00 3.00 3.00 3.00 1.50	3.00 3.00 2.00 3.00 3.00 3.00 0.50-2.00	\$75 \$50 \$75 \$25
EQSI FOR NRM NRM NRM WLM NRM	200 222 113 210 217 215 269	Fourth	Course Name Horse Packing Introduction to Forestry Watercraft Operations and Maintenance Woodland Ecology Aquatic Ecology Wildlife Management I	T T T T T	2.00 2.00 0.00 2.00 2.00 2.00	3.00 3.00 4.00 3.00 3.00 3.00	3.00 3.00 2.00 3.00 3.00 3.00	\$75 \$50 \$75 \$25
EQSI FOR NRM NRM NRM WLM	200 222 113 210 217 215 269	Fourth	Course Name Horse Packing Introduction to Forestry Watercraft Operations and Maintenance Woodland Ecology Aquatic Ecology Wildlife Management I Natural Resources Exposition II (Optional)	T T T T T	2.00 2.00 0.00 2.00 2.00 2.00 0.00	3.00 3.00 4.00 3.00 3.00 3.00 1.50	3.00 3.00 2.00 3.00 3.00 3.00 0.50-2.00	\$75 \$50 \$75 \$25
EQSI FOR NRM NRM NRM WLM NRM Fifth Qua Course No	200 222 113 210 217 215 269	Fourth	Course Name Horse Packing Introduction to Forestry Watercraft Operations and Maintenance Woodland Ecology Aquatic Ecology Wildlife Management I	T T T T T	2.00 2.00 0.00 2.00 2.00 2.00 0.00	3.00 3.00 4.00 3.00 3.00 3.00 1.50	3.00 3.00 2.00 3.00 3.00 3.00 0.50-2.00	\$75 \$50 \$75 \$25
EQSI FOR NRM NRM NRM WLM NRM	200 222 113 210 217 215 269	Fourth	Course Name Horse Packing Introduction to Forestry Watercraft Operations and Maintenance Woodland Ecology Aquatic Ecology Wildlife Management I Natural Resources Exposition II (Optional)	T T T T T	2.00 2.00 0.00 2.00 2.00 2.00 2.00 0.00 10.00	3.00 3.00 4.00 3.00 3.00 3.00 1.50 19.00-20.50	3.00 3.00 2.00 3.00 3.00 3.00 0.50-2.00 17.00-19.00	\$75 \$50 \$75 \$25 \$10
EQSI FOR NRM NRM NRM WLM NRM Fifth Qua Course No EQSI	200 222 113 210 217 215 269 rter 2.	Fourth	Course Name Horse Packing Introduction to Forestry Watercraft Operations and Maintenance Woodland Ecology Aquatic Ecology Wildlife Management I Natural Resources Exposition II (Optional)  Course Name Horse Program Management	T T T T T	2.00 2.00 0.00 2.00 2.00 2.00 0.00 10.00	3.00 3.00 4.00 3.00 3.00 3.00 1.50 19.00-20.50 Lab 3.00	3.00 3.00 2.00 3.00 3.00 3.00 0.50-2.00 17.00-19.00 <u>Credit</u> 3.00	\$75 \$50 \$75 \$25 \$10
EQSI FOR NRM NRM NRM WLM NRM Fifth Qua Course No EQSI INTP	200 222 113 210 217 215 269 rter 201 115	Fourth	Course Name Horse Packing Introduction to Forestry Watercraft Operations and Maintenance Woodland Ecology Aquatic Ecology Wildlife Management I Natural Resources Exposition II (Optional)  Course Name Horse Program Management Interpretive Methods	Type T	2.00 2.00 0.00 2.00 2.00 2.00 0.00 10.00 Class 2.00 2.00	3.00 3.00 4.00 3.00 3.00 3.00 1.50 19.00-20.50 Lab 3.00 3.00	3.00 3.00 2.00 3.00 3.00 3.00 0.50-2.00 17.00-19.00 Credit 3.00 3.00	\$75 \$50 \$75 \$25 \$10 Course Fee \$25
EQSI FOR NRM NRM NRM WLM NRM Fifth Qua Course No EQSI INTP EM	200 222 113 210 217 215 269 rter 2. 201 115 129	Fourth	Course Name Horse Packing Introduction to Forestry Watercraft Operations and Maintenance Woodland Ecology Aquatic Ecology Wildlife Management I Natural Resources Exposition II (Optional)  Course Name Horse Program Management Interpretive Methods First Responder	T T T T T T T T T	2.00 2.00 0.00 2.00 2.00 2.00 0.00 10.00 Class 2.00 2.00 2.00	3.00 3.00 4.00 3.00 3.00 3.00 1.50 19.00-20.50 Lab 3.00 3.00 3.00	3.00 3.00 2.00 3.00 3.00 3.00 0.50-2.00 17.00-19.00 Credit 3.00 3.00 2.00	\$75 \$50 \$75 \$25 \$10 <b>Course Fee</b> \$25 \$50
EQSI FOR NRM NRM NRM WLM NRM Fifth Qua Course No EQSI INTP EM EQSI	200 222 113 210 217 215 269 <b>rter</b> 201 115 129 210		Course Name Horse Packing Introduction to Forestry Watercraft Operations and Maintenance Woodland Ecology Aquatic Ecology Wildlife Management I Natural Resources Exposition II (Optional)  Course Name Horse Program Management Interpretive Methods First Responder Horseshoeing I	T T T T T T T T T T T G G	2.00 2.00 0.00 2.00 2.00 2.00 0.00 10.00 Class 2.00 2.00 2.00	3.00 3.00 4.00 3.00 3.00 3.00 1.50 19.00-20.50 Lab 3.00 3.00 3.00 3.00	3.00 3.00 2.00 3.00 3.00 3.00 0.50-2.00 17.00-19.00 Credit 3.00 3.00 3.00 3.00	\$75 \$50 \$75 \$25 \$10 Course Fee \$25 \$50 \$100
EQSI FOR NRM NRM NRM WLM NRM Fifth Qua Course No EQSI INTP EM	200 222 113 210 217 215 269 rter 2. 201 115 129	P	Course Name Horse Packing Introduction to Forestry Watercraft Operations and Maintenance Woodland Ecology Aquatic Ecology Wildlife Management I Natural Resources Exposition II (Optional)  Course Name Horse Program Management Interpretive Methods First Responder Horseshoeing I Communications IV	T T T T T T T T T	2.00 2.00 0.00 2.00 2.00 2.00 0.00 10.00 Class 2.00 2.00 2.00	3.00 3.00 4.00 3.00 3.00 3.00 1.50 19.00-20.50 Lab 3.00 3.00 3.00	3.00 3.00 2.00 3.00 3.00 3.00 0.50-2.00 17.00-19.00 Credit 3.00 3.00 2.00	\$75 \$50 \$75 \$25 \$10 <b>Course Fee</b> \$25 \$50
EQSI FOR NRM NRM WLM NRM Fifth Qua Course No EQSI INTP EM EQSI COMM	200 222 113 210 217 215 269  rter 2. 201 115 129 210 124	P	Course Name Horse Packing Introduction to Forestry Watercraft Operations and Maintenance Woodland Ecology Aquatic Ecology Wildlife Management I Natural Resources Exposition II (Optional)  Course Name Horse Program Management Interpretive Methods First Responder Horseshoeing I Communications IV or	T T T T T T T T G G G	2.00 2.00 0.00 2.00 2.00 2.00 0.00 10.00 Class 2.00 2.00 1.00 2.00 3.00	3.00 3.00 4.00 3.00 3.00 3.00 1.50 19.00-20.50 Lab 3.00 3.00 3.00 3.00 0.00	3.00 3.00 2.00 3.00 3.00 3.00 0.50-2.00 17.00-19.00 Credit 3.00 3.00 2.00 3.00	\$75 \$50 \$75 \$25 \$10 <b>Course Fee</b> \$25 \$50 \$100 \$20
EQSI FOR NRM NRM WLM NRM Fifth Qua Course No EQSI INTP EM EQSI COMM	200 222 113 210 217 215 269  rter 2. 201 115 129 210 124 225		Course Name Horse Packing Introduction to Forestry Watercraft Operations and Maintenance Woodland Ecology Aquatic Ecology Wildlife Management I Natural Resources Exposition II (Optional)  Course Name Horse Program Management Interpretive Methods First Responder Horseshoeing I Communications IV or Technical Writing	T T T T T T T T G G G G G	2.00 2.00 0.00 2.00 2.00 2.00 0.00 10.00 Class 2.00 2.00 1.00 2.00 3.00	3.00 3.00 4.00 3.00 3.00 3.00 1.50 19.00-20.50 Lab 3.00 3.00 3.00 3.00 0.00	3.00 3.00 2.00 3.00 3.00 3.00 0.50-2.00 17.00-19.00 Credit 3.00 3.00 2.00 3.00 3.00	\$75 \$50 \$75 \$25 \$10 <b>Course Fee</b> \$25 \$50 \$100 \$20
EQSI FOR NRM NRM WLM NRM Fifth Qua Course No EQSI INTP EM EQSI COMM	200 222 113 210 217 215 269  rter 2. 201 115 129 210 124	P	Course Name Horse Packing Introduction to Forestry Watercraft Operations and Maintenance Woodland Ecology Aquatic Ecology Wildlife Management I Natural Resources Exposition II (Optional)  Course Name Horse Program Management Interpretive Methods First Responder Horseshoeing I Communications IV or Technical Writing Speech	T T T T T T T T G G G	2.00 2.00 0.00 2.00 2.00 2.00 0.00 10.00 Class 2.00 2.00 1.00 2.00 3.00	3.00 3.00 4.00 3.00 3.00 3.00 1.50 19.00-20.50 Lab 3.00 3.00 3.00 3.00 0.00	3.00 3.00 2.00 3.00 3.00 3.00 0.50-2.00 17.00-19.00 Credit 3.00 3.00 2.00 3.00	\$75 \$50 \$75 \$25 \$10 <b>Course Fee</b> \$25 \$50 \$100 \$20
EQSI FOR NRM NRM NRM WLM NRM Fifth Qua Course No EQSI INTP EM EQSI COMM	200 222 113 210 217 215 269  rter 2. 201 115 129 210 124 225	P	Course Name Horse Packing Introduction to Forestry Watercraft Operations and Maintenance Woodland Ecology Aquatic Ecology Wildlife Management I Natural Resources Exposition II (Optional)  Course Name Horse Program Management Interpretive Methods First Responder Horseshoeing I Communications IV or Technical Writing Speech or	T T T T T T T T T T T T T T T T T T T	2.00 2.00 0.00 2.00 2.00 2.00 0.00 10.00 Class 2.00 2.00 1.00 2.00 3.00	3.00 3.00 4.00 3.00 3.00 3.00 1.50 19.00-20.50 Lab 3.00 3.00 3.00 3.00 0.00	3.00 3.00 3.00 3.00 3.00 3.00 3.00 0.50-2.00 17.00-19.00  Credit 3.00 3.00 3.00 3.00 3.00 3.00 3.00	\$75 \$50 \$75 \$25 \$10 <b>Course Fee</b> \$25 \$50 \$100 \$20 \$10
EQSI FOR NRM NRM WLM NRM Fifth Qua Course No EQSI INTP EM EQSI COMM	200 222 113 210 217 215 269  rter 2. 201 115 129 210 124 225	P	Course Name Horse Packing Introduction to Forestry Watercraft Operations and Maintenance Woodland Ecology Aquatic Ecology Wildlife Management I Natural Resources Exposition II (Optional)  Course Name Horse Program Management Interpretive Methods First Responder Horseshoeing I Communications IV or Technical Writing Speech	T T T T T T T T G G G G G	2.00 2.00 0.00 2.00 2.00 2.00 0.00 10.00 Class 2.00 2.00 1.00 2.00 3.00	3.00 3.00 4.00 3.00 3.00 3.00 1.50 19.00-20.50 Lab 3.00 3.00 3.00 3.00 0.00	3.00 3.00 3.00 3.00 3.00 3.00 3.00 0.50-2.00 17.00-19.00  Credit 3.00 3.00 3.00 3.00 3.00 3.00	\$75 \$50 \$75 \$25 \$10 <b>Course Fee</b> \$25 \$50 \$100 \$20
EQSI FOR NRM NRM NRM WLM NRM Fifth Qua Course No EQSI INTP EM EQSI COMM COMM	200 222 113 210 217 215 269  rter 201 115 129 210 124 225 130	P	Course Name Horse Packing Introduction to Forestry Watercraft Operations and Maintenance Woodland Ecology Aquatic Ecology Wildlife Management I Natural Resources Exposition II (Optional)  Course Name Horse Program Management Interpretive Methods First Responder Horseshoeing I Communications IV or Technical Writing Speech or	T T T T T T T T T T T T T T T T T T T	2.00 2.00 0.00 2.00 2.00 2.00 0.00 10.00 Class 2.00 2.00 1.00 2.00 3.00	3.00 3.00 4.00 3.00 3.00 3.00 1.50 19.00-20.50 Lab 3.00 3.00 3.00 3.00 0.00	3.00 3.00 3.00 3.00 3.00 3.00 3.00 0.50-2.00 17.00-19.00  Credit 3.00 3.00 3.00 3.00 3.00 3.00 3.00	\$75 \$50 \$75 \$25 \$10 <b>Course Fee</b> \$25 \$50 \$100 \$20 \$10
EQSI FOR NRM NRM NRM WLM NRM Fifth Qua Course No EQSI INTP EM EQSI COMM	200 222 113 210 217 215 269  rter 201 115 129 210 124 225 130	P	Course Name Horse Packing Introduction to Forestry Watercraft Operations and Maintenance Woodland Ecology Aquatic Ecology Wildlife Management I Natural Resources Exposition II (Optional)  Course Name Horse Program Management Interpretive Methods First Responder Horseshoeing I Communications IV or Technical Writing Speech or Verbal Career Skills	T T T T T T T T T T T T T T T T T T T	2.00 2.00 0.00 2.00 2.00 2.00 0.00 10.00 Class 2.00 2.00 1.00 2.00 3.00	3.00 3.00 4.00 3.00 3.00 3.00 1.50 19.00-20.50 Lab 3.00 3.00 3.00 3.00 0.00	3.00 3.00 3.00 3.00 3.00 3.00 3.00 0.50-2.00 17.00-19.00  Credit 3.00 3.00 3.00 3.00 3.00 3.00	\$75 \$50 \$75 \$25 \$10 <b>Course Fee</b> \$25 \$50 \$100 \$20 \$10
EQSI FOR NRM NRM NRM WLM NRM Fifth Qua Course No EQSI INTP EM EQSI COMM COMM	200 222 113 210 217 215 269  rter 201 115 129 210 124 225 130 135	P	Course Name Horse Packing Introduction to Forestry Watercraft Operations and Maintenance Woodland Ecology Aquatic Ecology Wildlife Management I Natural Resources Exposition II (Optional)  Course Name Horse Program Management Interpretive Methods First Responder Horseshoeing I Communications IV or Technical Writing Speech or	Type Type T G G G G G	2.00 2.00 0.00 2.00 2.00 2.00 0.00 10.00 Class 2.00 2.00 1.00 2.00 3.00 3.00 3.00	3.00 3.00 4.00 3.00 3.00 3.00 1.50 19.00-20.50 Lab 3.00 3.00 3.00 0.00 0.00 0.00	3.00 3.00 2.00 3.00 3.00 3.00 3.00 0.50-2.00 17.00-19.00  Credit 3.00 3.00 3.00 3.00 3.00 3.00 3.00 3.0	\$75 \$50 \$75 \$25 \$10 <b>Course Fee</b> \$25 \$50 \$100 \$20 \$10
EQSI FOR NRM NRM NRM WLM NRM Fifth Qua Course No EQSI INTP EM EQSI COMM COMM COMM	200 222 113 210 217 215 269  rter 201 115 129 210 124 225 130 135	P	Course Name Horse Packing Introduction to Forestry Watercraft Operations and Maintenance Woodland Ecology Aquatic Ecology Wildlife Management I Natural Resources Exposition II (Optional)  Course Name Horse Program Management Interpretive Methods First Responder Horseshoeing I Communications IV or Technical Writing Speech or Verbal Career Skills	T T T T T T T T T T T T T T T T T T T	2.00 2.00 0.00 2.00 2.00 2.00 0.00 10.00 Class 2.00 2.00 1.00 2.00 3.00	3.00 3.00 4.00 3.00 3.00 3.00 1.50 19.00-20.50 Lab 3.00 3.00 3.00 3.00 0.00	3.00 3.00 3.00 3.00 3.00 3.00 3.00 0.50-2.00 17.00-19.00  Credit 3.00 3.00 3.00 3.00 3.00 3.00	\$75 \$50 \$75 \$25 \$10 <b>Course Fee</b> \$25 \$50 \$100 \$20  \$10  \$10
EQSI FOR NRM NRM NRM WLM NRM Fifth Qua Course No EQSI INTP EM EQSI COMM COMM COMM COMM Sixth Qua Course No EQSI	200 222 113 210 217 215 269  rter 201 115 129 210 124 225 130 135  arter 2.	P	Course Name Horse Packing Introduction to Forestry Watercraft Operations and Maintenance Woodland Ecology Aquatic Ecology Wildlife Management I Natural Resources Exposition II (Optional)  Course Name Horse Program Management Interpretive Methods First Responder Horseshoeing I Communications IV or Technical Writing Speech or Verbal Career Skills  Course Name Trail Maintenance	Type T G G G G G Type T	2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00	3.00 3.00 4.00 3.00 3.00 3.00 1.50 19.00-20.50  Lab 3.00 3.00 3.00 3.00 0.00 0.00 0.00 0.0	3.00 3.00 2.00 3.00 3.00 3.00 3.00 0.50-2.00 17.00-19.00  Credit 3.00 3.00 3.00 3.00 3.00 3.00 3.00  Credit 3.00 3.00 3.00 3.00 3.00 3.00 3.00 3.0	\$75 \$50 \$75 \$25 \$10 <b>Course Fee</b> \$25 \$50 \$100 \$20 \$10 \$10
EQSI FOR NRM NRM NRM WLM NRM Fifth Qua Course No EQSI INTP EM EQSI COMM COMM COMM COMM Sixth Qua Course No EQSI EQSI	200 222 113 210 217 215 269  rter 2. 201 115 129 210 124  225 130  135  rter 2. 220 225	P	Course Name Horse Packing Introduction to Forestry Watercraft Operations and Maintenance Woodland Ecology Aquatic Ecology Wildlife Management I Natural Resources Exposition II (Optional)  Course Name Horse Program Management Interpretive Methods First Responder Horseshoeing I Communications IV or Technical Writing Speech or Verbal Career Skills  Course Name Trail Maintenance Campus Park Patrol - Capstone	T T T T T T T T T T T T T T T T T T T	2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00	3.00 3.00 4.00 3.00 3.00 3.00 3.00 1.50 19.00-20.50  Lab 3.00 3.00 3.00 0.00 0.00 0.00 0.00 0.0	3.00 3.00 3.00 3.00 3.00 3.00 3.00 0.50-2.00 17.00-19.00  Credit 3.00 3.00 3.00 3.00 3.00  Credit 3.00 3.00 3.00 3.00 3.00 3.00 3.00 3.0	\$75 \$50 \$75 \$25 \$10 <b>Course Fee</b> \$25 \$50 \$100 \$20 \$10 \$10 <b>Course Fee</b> \$125 \$20
EQSI FOR NRM NRM NRM WLM NRM Fifth Qua Course No EQSI INTP EM EQSI COMM COMM COMM COMM COMM Sixth Qua Course No EQSI EQSI EQSI EQSI EQSI EQSI EQSI EQSI	200 222 113 210 217 215 269  rter 2 201 115 129 210 124  225 130  135  rter 2 220 225 271	P	Course Name Horse Packing Introduction to Forestry Watercraft Operations and Maintenance Woodland Ecology Aquatic Ecology Wildlife Management I Natural Resources Exposition II (Optional)  Course Name Horse Program Management Interpretive Methods First Responder Horseshoeing I Communications IV or Technical Writing Speech or Verbal Career Skills  Course Name Trail Maintenance Campus Park Patrol - Capstone Ornithology	Type Type T G G G G Type T T G G G G G	2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00	3.00 3.00 4.00 3.00 3.00 3.00 3.00 1.50 19.00-20.50  Lab 3.00 3.00 3.00 0.00 0.00 0.00 0.00 Lab 3.00 3.00 3.00 3.00 3.00 3.00 3.00 3.0	3.00 3.00 3.00 3.00 3.00 3.00 3.00 3.00	\$75 \$50 \$75 \$25 \$10 <b>Course Fee</b> \$25 \$50 \$100 \$20 \$10  \$10 <b>Course Fee</b> \$125 \$200 \$110
EQSI FOR NRM NRM WLM NRM Fifth Qua Course No EQSI INTP EM EQSI COMM COMM COMM COMM COMM COMM COMM COM	200 222 113 210 217 215 269  rter 2 201 115 129 210 124 225 130  135  rter 2 220 225 271 101	P	Course Name Horse Packing Introduction to Forestry Watercraft Operations and Maintenance Woodland Ecology Aquatic Ecology Wildlife Management I Natural Resources Exposition II (Optional)  Course Name Horse Program Management Interpretive Methods First Responder Horseshoeing I Communications IV or Technical Writing Speech or Verbal Career Skills  Course Name Trail Maintenance Campus Park Patrol - Capstone Ornithology Geology	T T T T T T T T T T T T T T T T T T T	2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00	3.00 3.00 4.00 3.00 3.00 3.00 3.00 1.50 19.00-20.50  Lab 3.00 3.00 3.00 0.00 0.00 0.00 0.00 0.0	3.00 3.00 3.00 3.00 3.00 3.00 3.00 3.00	\$75 \$50 \$75 \$25 \$10 Course Fee \$25 \$50 \$100 \$20 \$10 \$10 Course Fee \$125 \$200 \$10 \$20 \$10
EQSI FOR NRM NRM NRM WLM NRM Fifth Qua Course No EQSI INTP EM EQSI COMM COMM COMM COMM COMM Sixth Qua Course No EQSI EQSI EQSI EQSI EQSI EQSI EQSI EQSI	200 222 113 210 217 215 269  rter 2 201 115 129 210 124  225 130  135  rter 2 220 225 271	P	Course Name Horse Packing Introduction to Forestry Watercraft Operations and Maintenance Woodland Ecology Aquatic Ecology Wildlife Management I Natural Resources Exposition II (Optional)  Course Name Horse Program Management Interpretive Methods First Responder Horseshoeing I Communications IV or Technical Writing Speech or Verbal Career Skills  Course Name Trail Maintenance Campus Park Patrol - Capstone Ornithology Geology Team Driving I	Type Type T G G G G Type T T G G G G G	2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00	3.00 3.00 4.00 3.00 3.00 3.00 3.00 1.50 19.00-20.50  Lab 3.00 3.00 3.00 0.00 0.00 0.00 0.00 Lab 3.00 3.00 3.00 3.00 3.00 3.00 3.00 3.0	3.00 3.00 3.00 3.00 3.00 3.00 3.00 3.00	\$75 \$50 \$75 \$25 \$10 <b>Course Fee</b> \$25 \$50 \$100 \$20 \$10  \$10 <b>Course Fee</b> \$125 \$200 \$110
EQSI FOR NRM NRM NRM WLM NRM Fifth Qua Course No EQSI INTP EM EQSI COMM COMM COMM COMM COMM COMM COMM COM	200 222 113 210 217 215 269  rter 201 115 129 210 124 225 130 135  arter 2 220 225 271 101 230	P	Course Name Horse Packing Introduction to Forestry Watercraft Operations and Maintenance Woodland Ecology Aquatic Ecology Wildlife Management I Natural Resources Exposition II (Optional)  Course Name Horse Program Management Interpretive Methods First Responder Horseshoeing I Communications IV or Technical Writing Speech or Verbal Career Skills  Course Name Trail Maintenance Campus Park Patrol - Capstone Ornithology Geology Team Driving I or	Type T G G G G Type T T G G G T T T T T T T T T T T T T T	2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00	3.00 3.00 4.00 3.00 3.00 3.00 3.00 1.50 19.00-20.50  Lab 3.00 3.00 3.00 0.00 0.00 0.00 0.00 12.00 Lab 3.00 3.00 3.00 3.00 3.00 3.00 3.00 3.0	3.00 3.00 2.00 3.00 3.00 3.00 3.00 0.50-2.00 17.00-19.00  Credit 3.00 3.00 3.00 3.00 3.00  Credit 3.00 3.00 3.00 3.00 3.00 3.00 3.00 3.0	\$75 \$50 \$75 \$25 \$10 <b>Course Fee</b> \$25 \$50 \$100 \$20 \$10 \$10 <b>Course Fee</b> \$125 \$200 \$10 \$25 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$10
EQSI FOR NRM NRM WLM NRM Fifth Qua Course No EQSI INTP EM EQSI COMM COMM COMM COMM COMM COMM COMM COM	200 222 113 210 217 215 269  rter 2 201 115 129 210 124 225 130  135  rter 2 220 225 271 101	P	Course Name Horse Packing Introduction to Forestry Watercraft Operations and Maintenance Woodland Ecology Aquatic Ecology Wildlife Management I Natural Resources Exposition II (Optional)  Course Name Horse Program Management Interpretive Methods First Responder Horseshoeing I Communications IV or Technical Writing Speech or Verbal Career Skills  Course Name Trail Maintenance Campus Park Patrol - Capstone Ornithology Geology Team Driving I or Colt Training I	T T T T T T T T T T T T T T T T T T T	2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00	3.00 3.00 4.00 3.00 3.00 3.00 3.00 1.50 19.00-20.50  Lab 3.00 3.00 3.00 0.00 0.00 0.00 0.00 0.0	3.00 3.00 3.00 3.00 3.00 3.00 3.00 3.00	\$75 \$50 \$75 \$25 \$10 Course Fee \$25 \$50 \$100 \$20 \$10 \$10 Course Fee \$125 \$200 \$10 \$20 \$10
EQSI FOR NRM NRM NRM WLM NRM Fifth Qua Course No EQSI INTP EM EQSI COMM COMM COMM COMM Sixth Qua Course No EQSI EQSI EQSI EQSI EQSI EQSI EQSI EQSI	200 222 113 210 217 215 269  rter 2. 201 115 129 210 124  225 130  135  rter 2. 220 225 271 101 230 240	P	Course Name Horse Packing Introduction to Forestry Watercraft Operations and Maintenance Woodland Ecology Aquatic Ecology Wildlife Management I Natural Resources Exposition II (Optional)  Course Name Horse Program Management Interpretive Methods First Responder Horseshoeing I Communications IV or Technical Writing Speech or Verbal Career Skills  Course Name Trail Maintenance Campus Park Patrol - Capstone Ornithology Geology Team Driving I or Colt Training I or	Type Type T G G G G Type T T T T T T T T T T T T T T T T T T T	2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00	3.00 3.00 3.00 3.00 3.00 3.00 3.00 1.50 19.00-20.50  Lab 3.00 3.00 3.00 3.00 0.00 0.00 0.00 0.0	3.00 3.00 3.00 3.00 3.00 3.00 3.00 3.00	\$75 \$50 \$75 \$25 \$10 <b>Course Fee</b> \$25 \$50 \$100 \$20 \$10 \$10 <b>Course Fee</b> \$125 \$200 \$10 \$25 \$75
EQSI FOR NRM NRM NRM WLM NRM Fifth Qua Course No EQSI INTP EM EQSI COMM COMM COMM COMM COMM COMM COMM COM	200 222 113 210 217 215 269  rter 201 115 129 210 124 225 130 135  arter 2 220 225 271 101 230	P	Course Name Horse Packing Introduction to Forestry Watercraft Operations and Maintenance Woodland Ecology Aquatic Ecology Wildlife Management I Natural Resources Exposition II (Optional)  Course Name Horse Program Management Interpretive Methods First Responder Horseshoeing I Communications IV or Technical Writing Speech or Verbal Career Skills  Course Name Trail Maintenance Campus Park Patrol - Capstone Ornithology Geology Team Driving I or Colt Training I	Type T G G G G Type T T G G G T T T T T T T T T T T T T T	2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00	3.00 3.00 4.00 3.00 3.00 3.00 3.00 1.50 19.00-20.50  Lab 3.00 3.00 3.00 0.00 0.00 0.00 0.00 0.0	3.00 3.00 3.00 3.00 3.00 3.00 3.00 0.50-2.00 17.00-19.00  Credit 3.00 3.00 3.00 3.00 3.00  Credit 3.00 3.00 3.00 3.00 3.00 3.00 3.00 3.0	\$75 \$50 \$75 \$25 \$10 <b>Course Fee</b> \$25 \$50 \$100 \$20 \$10 \$10 <b>Course Fee</b> \$125 \$200 \$10 \$25 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$10
EQSI FOR NRM NRM NRM WLM NRM Fifth Qua Course No EQSI INTP EM EQSI COMM COMM COMM COMM COMM EQSI EQSI EQSI EQSI EQSI EQSI	200 222 113 210 217 215 269  rter 2 201 115 129 210 124 225 130  135  rter 2 225 271 101 230 240 250	P	Course Name Horse Packing Introduction to Forestry Watercraft Operations and Maintenance Woodland Ecology Aquatic Ecology Wildlife Management I Natural Resources Exposition II (Optional)  Course Name Horse Program Management Interpretive Methods First Responder Horseshoeing I Communications IV or Technical Writing Speech or Verbal Career Skills  Course Name Trail Maintenance Campus Park Patrol - Capstone Ornithology Geology Team Driving I or Colt Training I or Teaching Horseback Riding	Type Type T G G G G Type T T T T T T T T T T T T T T T T T T T	2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00	3.00 3.00 3.00 3.00 3.00 3.00 3.00 1.50 19.00-20.50  Lab 3.00 3.00 3.00 3.00 0.00 0.00 0.00 0.0	3.00 3.00 3.00 3.00 3.00 3.00 3.00 3.00	\$75 \$50 \$75 \$25 \$10 <b>Course Fee</b> \$25 \$50 \$100 \$20 \$10 \$10 <b>Course Fee</b> \$125 \$200 \$10 \$25 \$75
EQSI FOR NRM NRM NRM WLM NRM Fifth Qua Course No EQSI INTP EM EQSI COMM COMM COMM COMM COMM EQSI EQSI EQSI EQSI EQSI EQSI EQSI EQSI	200 222 113 210 217 215 269  rter 201 115 129 210 124 225 130 135  arter 220 225 271 101 230 240 250  Credit Hours	P	Course Name Horse Packing Introduction to Forestry Watercraft Operations and Maintenance Woodland Ecology Aquatic Ecology Wildlife Management I Natural Resources Exposition II (Optional)  Course Name Horse Program Management Interpretive Methods First Responder Horseshoeing I Communications IV or Technical Writing Speech or Verbal Career Skills  Course Name Trail Maintenance Campus Park Patrol - Capstone Ornithology Geology Team Driving I or Colt Training I or Teaching Horseback Riding	Type Type T G G G G Type T T T T T T T T T T T T T T T T T T T	2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00	3.00 3.00 4.00 3.00 3.00 3.00 3.00 1.50 19.00-20.50  Lab 3.00 3.00 3.00 0.00 0.00 0.00 0.00 0.0	3.00 3.00 3.00 3.00 3.00 3.00 3.00 0.50-2.00 17.00-19.00  Credit 3.00 3.00 3.00 3.00 3.00  Credit 3.00 3.00 3.00 3.00 3.00 3.00 3.00 3.0	\$75 \$50 \$75 \$25 \$10 <b>Course Fee</b> \$25 \$50 \$100 \$20 \$10 \$10 <b>Course Fee</b> \$125 \$200 \$10 \$25 \$75
EQSI FOR NRM NRM NRM WLM NRM Fifth Qua Course No EQSI INTP EM EQSI COMM COMM COMM COMM COMM EQSI EQSI EQSI EQSI EQSI EQSI EQSI EQSI	200 222 113 210 217 215 269  rter 2 201 115 129 210 124 225 130  135  rter 2 225 271 101 230 240 250	P	Course Name Horse Packing Introduction to Forestry Watercraft Operations and Maintenance Woodland Ecology Aquatic Ecology Wildlife Management I Natural Resources Exposition II (Optional)  Course Name Horse Program Management Interpretive Methods First Responder Horseshoeing I Communications IV or Technical Writing Speech or Verbal Career Skills  Course Name Trail Maintenance Campus Park Patrol - Capstone Ornithology Geology Team Driving I or Colt Training I or Teaching Horseback Riding	Type Type T G G G G Type T T T T T T T T T T T T T T T T T T T	2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00	3.00 3.00 4.00 3.00 3.00 3.00 3.00 1.50 19.00-20.50  Lab 3.00 3.00 3.00 0.00 0.00 0.00 0.00 0.0	3.00 3.00 3.00 3.00 3.00 3.00 3.00 0.50-2.00 17.00-19.00  Credit 3.00 3.00 3.00 3.00 3.00  Credit 3.00 3.00 3.00 3.00 3.00 3.00 3.00 3.0	\$75 \$50 \$75 \$25 \$10 <b>Course Fee</b> \$25 \$50 \$100 \$20 \$10 \$10 <b>Course Fee</b> \$125 \$200 \$10 \$25 \$75
EQSI FOR NRM NRM NRM WLM NRM Fifth Qua Course No EQSI INTP EM EQSI COMM COMM COMM COMM COMM EQSI EQSI EQSI EQSI EQSI EQSI EQSI EQSI	200 222 113 210 217 215 269  rter 201 115 129 210 124 225 130 135  arter 2 220 225 271 101 230 240 250  Credit Hours redit Hours	P	Course Name Horse Packing Introduction to Forestry Watercraft Operations and Maintenance Woodland Ecology Aquatic Ecology Wildlife Management I Natural Resources Exposition II (Optional)  Course Name Horse Program Management Interpretive Methods First Responder Horseshoeing I Communications IV or Technical Writing Speech or Verbal Career Skills  Course Name Trail Maintenance Campus Park Patrol - Capstone Ornithology Geology Team Driving I or Colt Training I or Teaching Horseback Riding	Type Type T G G G G Type T T T T T T T T T T T T T T T T T T T	2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00	3.00 3.00 4.00 3.00 3.00 3.00 3.00 1.50 19.00-20.50  Lab 3.00 3.00 3.00 0.00 0.00 0.00 0.00 0.0	3.00 3.00 3.00 2.00 3.00 3.00 3.00 3.00	\$75 \$50 \$75 \$25 \$10 <b>Course Fee</b> \$25 \$50 \$100 \$20 \$10 \$10 <b>Course Fee</b> \$125 \$200 \$10 \$25 \$75

Backcountry Horsemanship Notes: To complete graduation requirements, students must enroll in EQSI 296 Equine Science Practicum (2 credits) or EQSI 294 EquineScience Cooperative Work Experience (6 credits) at the beginning of any quarter beginning with the third quarter.

## Backcountry Horsemanship and Wilderness Skills For students entering June, 2002 through May, 2003

First Qu	arter							
Course			Course Name	Type	Class	Lab	Credit	Course Fee
BIOS	103		General Biology	T	2.00	3.00	3.00	\$25
EQSI	103		Horse Care and Handling	T	2.00	5.00	3.00	*
EQSI	110		Horsemanship I – Beginning Riding	T	2.00	3.00	3.00	\$200
EQSI	112		Equine Health Care I	Ţ	3.00	1.00	3.00	\$155
EQSI	150	0	Leathercraft I	T	2.00	4.00	3.00	\$160
COMM NRM	122 169	Р	Communications II	G T	3.00	0.00	3.00	\$20
IALVIAI	109		Natural Resources Exposition I (Optional)	ı	<u>0.00</u> 14.00	<u>1.50</u> 16.00-17.50	0.50	
					14.00	16.00-17.50	18.00-18.50	
Second	Quarter							
Course I	No.		Course Name	Type	Class	Lab	Credit	Course Fee
EQSI	113		Equine Nutrition and Supplements	T	2.00	3.00	3.00	
EQSI	115		Horsemanship II – Intermediate Riding	T	2.00	3.00	3.00	\$200
EQSI	116		Equine Anatomy and Physiology I	Ţ	3.00	6.00	5.00	\$25
NRM EQSI	110		Chainsaw Operation	T	0.00	2.00	1.00	\$85
MATH	111 108N		Equine Employment Seminar Introduction to Algebra for Natural Resources	G G	2.00	0.00	2.00	\$80
MICS	121A		Microsoft Office – Word Processing	G	3.00 1.00	1.00 1.00	3.00	\$16 \$15
WITCS	121/1		Wile to soft of field - Word 1 Toccssing	U	13.00	16.00	<u>1.00</u> 18.00	\$15
					10.00	10.00	10.00	
Third Qu	ıarter							
Course I			Course Name	Type	Class	<u>Lab</u>	Credit	Course Fee
EQSI	120		Horsemanship III - Advanced Trail Riding	Ţ	2.00	3.00	3.00	\$200
EQSI	130		Farm Equipment Operation and Maintenance	Ţ	3.00	2.00	3.00	
EQSI NRM	220 125		Trail Maintenance Map Reading and Interpretation	T T	2.00	3.00	3.00	\$125
COMM	123	Р	Communications III	G	2.00 3.00	2.00 0.00	2.00	<b>#</b> 20
MICS	121B	1	Microsoft Office - Database	G	1.00	1.00	3.00 1.00	\$20 \$15
SOCI	***		Social Science Elective (Required)	G	3.00	0.00	3.00	\$15
500			Social Science Elective (negative)	Ü	16.00	11.00	18.00	
Summer	Quarter						10.00	
Course 1			Course Name	Type	Class	<u>Lab</u>	Credit	Course Fee
EQSI	294		Equine Science Cooperative Work Experience	T	2.00	40.00	6.00	
FOCI	000		or	_				
EQSI EQSI	296 255		Equine Science Practicum	Ţ	1.00	7.00	2.00	*
EUSI	255		Advanced Packing and Wilderness Skills (Optional)	I	<u>0.00</u> 1.00-2.00	12.00	4.00	\$380
					1.00-2.00	7.00-52.00	2.00-10.00	
Fourth (	luarter							
Fourth ( Course N			Course Name	Туре	Class	Lab	Credit	Course Fee
			<u>Course Name</u> Primitive Tools	<u>Type</u> T	<u>Class</u> 1.00	<u>Lab</u> 3.00	Credit 2.00	Course Fee
Course 1 EQSI EQSI	<u>No.</u> 104 200		Primitive Tools Horse Packing	T	1.00 2.00			Course Fee \$75
Course MEQSI EQSI EQSI	<u>No.</u> 104 200 119		Primitive Tools Horse Packing Equine Business Management	T T G	1.00 2.00 3.00	3.00 3.00 0.00	2.00 3.00 3.00	\$75
Course N EQSI EQSI EQSI EQSI	No. 104 200 119 210		Primitive Tools Horse Packing Equine Business Management Horseshoeing I	T T G G	1.00 2.00 3.00 2.00	3.00 3.00 0.00 3.00	2.00 3.00 3.00 3.00	\$75 \$100
Course MEQSI EQSI EQSI EQSI MICS	No. 104 200 119 210 121C		Primitive Tools Horse Packing Equine Business Management Horseshoeing I Microsoft Office – Spreadsheet	T T G G G	1.00 2.00 3.00 2.00 1.00	3.00 3.00 0.00 3.00 1.00	2.00 3.00 3.00 3.00 1.00	\$75 \$100 \$15
Course N EQSI EQSI EQSI EQSI	No. 104 200 119 210		Primitive Tools Horse Packing Equine Business Management Horseshoeing I Microsoft Office – Spreadsheet Speech	T T G G	1.00 2.00 3.00 2.00	3.00 3.00 0.00 3.00	2.00 3.00 3.00 3.00	\$75 \$100
Course N EQSI EQSI EQSI EQSI MICS COMM	No. 104 200 119 210 121C 130		Primitive Tools Horse Packing Equine Business Management Horseshoeing I Microsoft Office – Spreadsheet Speech or	T G G G G	1.00 2.00 3.00 2.00 1.00 3.00	3.00 3.00 0.00 3.00 1.00 0.00	2.00 3.00 3.00 3.00 1.00 3.00	\$75 \$100 \$15 \$10
Course N EQSI EQSI EQSI EQSI MICS COMM	No. 104 200 119 210 121C 130		Primitive Tools Horse Packing Equine Business Management Horseshoeing I Microsoft Office – Spreadsheet Speech or Verbal Career Skills	T T G G G G	1.00 2.00 3.00 2.00 1.00 3.00	3.00 3.00 0.00 3.00 1.00 0.00	2.00 3.00 3.00 3.00 1.00 3.00	\$75 \$100 \$15
Course N EQSI EQSI EQSI EQSI MICS COMM	No. 104 200 119 210 121C 130		Primitive Tools Horse Packing Equine Business Management Horseshoeing I Microsoft Office – Spreadsheet Speech or	T G G G G	1.00 2.00 3.00 2.00 1.00 3.00 3.00 1.00	3.00 3.00 0.00 3.00 1.00 0.00 0.00 1.50-3.00	2.00 3.00 3.00 3.00 1.00 3.00 3.00 0.50	\$75 \$100 \$15 \$10
Course N EQSI EQSI EQSI EQSI MICS COMM	No. 104 200 119 210 121C 130		Primitive Tools Horse Packing Equine Business Management Horseshoeing I Microsoft Office – Spreadsheet Speech or Verbal Career Skills	T T G G G G	1.00 2.00 3.00 2.00 1.00 3.00	3.00 3.00 0.00 3.00 1.00 0.00	2.00 3.00 3.00 3.00 1.00 3.00	\$75 \$100 \$15 \$10
Course N EQSI EQSI EQSI EQSI MICS COMM COMM NRM	No. 104 200 119 210 121C 130 135 269		Primitive Tools Horse Packing Equine Business Management Horseshoeing I Microsoft Office – Spreadsheet Speech or Verbal Career Skills Natural Resources Exposition I (Optional)	T T G G G G	1.00 2.00 3.00 2.00 1.00 3.00 3.00 1.00 12.00-13.00	3.00 3.00 0.00 3.00 1.00 0.00 0.00 1.50-3.00	2.00 3.00 3.00 3.00 1.00 3.00 3.00 0.50	\$75 \$100 \$15 \$10
Course N EQSI EQSI EQSI EQSI MICS COMM COMM NRM	No. 104 200 119 210 121C 130 135 269		Primitive Tools Horse Packing Equine Business Management Horseshoeing I Microsoft Office – Spreadsheet Speech or Verbal Career Skills Natural Resources Exposition I (Optional)	T T G G G G	1.00 2.00 3.00 2.00 1.00 3.00 3.00 1.00 12.00-13.00	3.00 3.00 0.00 3.00 1.00 0.00 0.00 1.50-3.00 11.50-13.00	2.00 3.00 3.00 3.00 1.00 3.00 3.00 0.50 15.00-15.50	\$75 \$100 \$15 \$10
Course N EQSI EQSI EQSI EQSI MICS COMM NRM  Fifth Qu Course N EQSI	No. 104 200 119 210 121C 130 135 269		Primitive Tools Horse Packing Equine Business Management Horseshoeing I Microsoft Office – Spreadsheet Speech or Verbal Career Skills Natural Resources Exposition I (Optional)  Course Name Horse Program Management	T T T G G G G G G T T	1.00 2.00 3.00 2.00 1.00 3.00 3.00 1.00 12.00-13.00	3.00 3.00 0.00 3.00 1.00 0.00 0.00 1.50-3.00 11.50-13.00	2.00 3.00 3.00 3.00 1.00 3.00 3.00 0.50 15.00-15.50 Credit 3.00	\$75 \$100 \$15 \$10 \$10 \$10
Course N EQSI EQSI EQSI MICS COMM NRM  Fifth Qu Course N EQSI	No. 104 200 119 210 121C 130 135 269  warter No. 201 250		Primitive Tools Horse Packing Equine Business Management Horseshoeing I Microsoft Office – Spreadsheet Speech or Verbal Career Skills Natural Resources Exposition I (Optional)  Course Name Horse Program Management Teaching Horseback Riding	T T T G G G G G T T Type T T T	1.00 2.00 3.00 2.00 1.00 3.00 3.00 1.00 12.00-13.00 Class 2.00 1.00	3.00 3.00 0.00 3.00 1.00 0.00 0.00 1.50-3.00 11.50-13.00 Lab 3.00 7.00	2.00 3.00 3.00 3.00 1.00 3.00 0.50 15.00-15.50 Credit 3.00 3.00	\$75 \$100 \$15 \$10 \$10 \$10
Course N EQSI EQSI EQSI MICS COMM COMM NRM  Fifth Qu Course N EQSI EQSI EQSI EQSI EQSI EQSI EQSI EQSI	No.  104 200 119 210 121C 130  135 269  Marter No.  201 250 154		Primitive Tools Horse Packing Equine Business Management Horseshoeing I Microsoft Office – Spreadsheet Speech or Verbal Career Skills Natural Resources Exposition I (Optional)  Course Name Horse Program Management Teaching Horseback Riding Interpersonal Relationships	T T T G G G G G T T Type T T T T T T T T T T T T T T T T T T T	1.00 2.00 3.00 2.00 1.00 3.00 3.00 1.00 12.00-13.00 Class 2.00 1.00 3.00	3.00 3.00 0.00 3.00 1.00 0.00 0.00 1.50-3.00 11.50-13.00 2.00 1.00 0.00	2.00 3.00 3.00 3.00 1.00 3.00 3.00 0.50 15.00-15.50 Credit 3.00 3.00 3.00	\$75 \$100 \$15 \$10 \$10 \$10 \$20 \$20 \$20 \$20 \$20 \$20 \$20 \$20 \$20 \$2
Course N EQSI EQSI EQSI MICS COMM NRM  Fifth Qu Course N EQSI	No. 104 200 119 210 121C 130 135 269  warter No. 201 250		Primitive Tools Horse Packing Equine Business Management Horseshoeing I Microsoft Office - Spreadsheet Speech or Verbal Career Skills Natural Resources Exposition I (Optional)  Course Name Horse Program Management Teaching Horseback Riding Interpersonal Relationships Wilderness First Responder	T T T G G G G G T T Type T T T	1.00 2.00 3.00 2.00 1.00 3.00 3.00 1.00 12.00-13.00 Class 2.00 1.00	3.00 3.00 0.00 3.00 1.00 0.00 0.00 1.50-3.00 11.50-13.00 Lab 3.00 7.00	2.00 3.00 3.00 3.00 1.00 3.00 0.50 15.00-15.50 Credit 3.00 3.00	\$75 \$100 \$15 \$10 \$10 \$10
Course N EQSI EQSI EQSI MICS COMM COMM NRM  Fifth Qu Course N EQSI EQSI EQSI EQSI EQSI EQSI EQSI EQSI	No.  104 200 119 210 121C 130  135 269  Parter No. 201 250 154 229		Primitive Tools Horse Packing Equine Business Management Horseshoeing I Microsoft Office – Spreadsheet Speech or Verbal Career Skills Natural Resources Exposition I (Optional)  Course Name Horse Program Management Teaching Horseback Riding Interpersonal Relationships Wilderness First Responder or	T T G G G G G G T T T T G G	1.00 2.00 3.00 2.00 1.00 3.00 3.00 1.00 12.00-13.00 Class 2.00 1.00 3.00	3.00 3.00 0.00 3.00 1.00 0.00 0.00 1.50-3.00 11.50-13.00 Lab 3.00 7.00 0.00 6.00	2.00 3.00 3.00 3.00 1.00 3.00 3.00 0.50 15.00-15.50  Credit 3.00 3.00 3.00 3.00 3.00	\$75 \$100 \$15 \$10 \$10 \$10 \$20 \$20 \$20 \$20 \$20 \$20 \$20 \$20 \$20 \$2
Course N EQSI EQSI EQSI MICS COMM COMM NRM  Fifth Qu Course N EQSI EQSI EQSI EQSI EQSI EQSI EQSI EQSI	No.  104 200 119 210 121C 130  135 269  Marter No.  201 250 154	P	Primitive Tools Horse Packing Equine Business Management Horseshoeing I Microsoft Office - Spreadsheet Speech or Verbal Career Skills Natural Resources Exposition I (Optional)  Course Name Horse Program Management Teaching Horseback Riding Interpersonal Relationships Wilderness First Responder	T T T G G G G G T T Type T T T T T T T T T T T T T T T T T T T	1.00 2.00 3.00 2.00 1.00 3.00 3.00 1.00 12.00-13.00 Class 2.00 1.00 3.00	3.00 3.00 0.00 3.00 1.00 0.00 0.00 1.50-3.00 11.50-13.00 2.00 1.00 0.00	2.00 3.00 3.00 3.00 1.00 3.00 3.00 0.50 15.00-15.50 Credit 3.00 3.00 3.00	\$75 \$100 \$15 \$10 \$10 \$10 \$20 \$10 \$20 \$20 \$20 \$20 \$20 \$20 \$20 \$20 \$20 \$2
Course N EQSI EQSI EQSI MICS COMM NRM  Fifth Qu Course N EQSI EQSI EQSI EQSI EQSI EQSI EQSI EQSI	No.  104 200 119 210 121C 130  135 269  Marter No.  201 250 154 229 129 124		Primitive Tools Horse Packing Equine Business Management Horseshoeing I Microsoft Office – Spreadsheet Speech or Verbal Career Skills Natural Resources Exposition I (Optional)  Course Name Horse Program Management Teaching Horseback Riding Interpersonal Relationships Wilderness First Responder or First Responder Communications IV or	T T T G G G G T T T T T T T T T T T T T	1.00 2.00 3.00 2.00 1.00 3.00 3.00 1.00 12.00-13.00 1.00 3.00 1.00 3.00	3.00 3.00 0.00 3.00 1.00 0.00 1.50-3.00 11.50-13.00 Lab 3.00 7.00 0.00 6.00	2.00 3.00 3.00 3.00 1.00 3.00 3.00 0.50 15.00-15.50  Credit 3.00 3.00 3.00 3.00 3.00 2.00	\$75 \$100 \$15 \$10 \$10 \$10 \$20 \$20 \$20 \$20 \$20 \$20 \$20 \$20 \$20 \$2
Course N EQSI EQSI EQSI EQSI MICS COMM COMM NRM  Fifth Qu Course N EQSI EQSI EQSI EQSI EQSI EQSI EQSI ESYC ECO	No.  104 200 119 210 121C 130  135 269  Parter No.  201 250 154 229	P P	Primitive Tools Horse Packing Equine Business Management Horseshoeing I Microsoft Office – Spreadsheet Speech or Verbal Career Skills Natural Resources Exposition I (Optional)  Course Name Horse Program Management Teaching Horseback Riding Interpersonal Relationships Wilderness First Responder or First Responder Communications IV	T T T G G G G T T Type T T G G G G G G G G G T T T G G G G G	1.00 2.00 3.00 2.00 1.00 3.00 3.00 12.00-13.00 Class 2.00 1.00 3.00 1.00 3.00 1.00	3.00 3.00 0.00 3.00 1.00 0.00 0.00 1.50-3.00 11.50-13.00  Lab 3.00 7.00 0.00 6.00 3.00 0.00	2.00 3.00 3.00 3.00 3.00 3.00 3.00 3.00	\$75 \$100 \$15 \$10 \$10 \$10 \$20 \$10 \$20 \$20 \$20 \$20 \$20 \$20 \$20 \$20 \$20 \$2
Course N EQSI EQSI EQSI MICS COMM NRM  Fifth Qu Course N EQSI EQSI EQSI EQSI EQSI EQSI EQSI EQSI	No.  104 200 119 210 121C 130  135 269  Marter No.  201 250 154 229 129 124		Primitive Tools Horse Packing Equine Business Management Horseshoeing I Microsoft Office – Spreadsheet Speech or Verbal Career Skills Natural Resources Exposition I (Optional)  Course Name Horse Program Management Teaching Horseback Riding Interpersonal Relationships Wilderness First Responder or First Responder Communications IV or	T T T G G G G T T T T T T T T T T T T T	1.00 2.00 3.00 2.00 1.00 3.00 3.00 12.00-13.00 Class 2.00 1.00 3.00 1.00	3.00 3.00 0.00 1.00 0.00 1.50-3.00 11.50-13.00 11.50-13.00 7.00 0.00 6.00	2.00 3.00 3.00 3.00 1.00 3.00 3.00 0.50 15.00-15.50  Credit 3.00 3.00 3.00 3.00 3.00 3.00 3.00	\$75 \$100 \$15 \$10 \$10 \$10 \$10 \$50 \$7 \$450 \$50 \$20
Course N EQSI EQSI EQSI MICS COMM COMM NRM  Fifth Qu Course N EQSI EQSI EQSI EQSI EQSI EQSI EQSI EQSI	No.  104 200 119 210 121C 130  135 269  Narter No. 201 250 154 229 129 124 225		Primitive Tools Horse Packing Equine Business Management Horseshoeing I Microsoft Office – Spreadsheet Speech or Verbal Career Skills Natural Resources Exposition I (Optional)  Course Name Horse Program Management Teaching Horseback Riding Interpersonal Relationships Wilderness First Responder or First Responder Communications IV or	T T T G G G G T T T T T T T T T T T T T	1.00 2.00 3.00 2.00 1.00 3.00 3.00 12.00-13.00 Class 2.00 1.00 3.00 1.00 3.00 1.00	3.00 3.00 0.00 3.00 1.00 0.00 0.00 1.50-3.00 11.50-13.00  Lab 3.00 7.00 0.00 6.00 3.00 0.00	2.00 3.00 3.00 3.00 3.00 3.00 3.00 3.00	\$75 \$100 \$15 \$10 \$10 \$10 \$10 \$50 \$7 \$450 \$50 \$20
Course N EQSI EQSI EQSI EQSI MICS COMM COMM NRM  Fifth Qu Course N EQSI EQSI EQSI EQSI EQSI COMM COMM COMM COMM COMM COMM COMM	No.  104 200 119 210 121C 130  135 269  Narter No.  201 250 154 229 129 124 225		Primitive Tools Horse Packing Equine Business Management Horseshoeing I Microsoft Office – Spreadsheet Speech or Verbal Career Skills Natural Resources Exposition I (Optional)  Course Name Horse Program Management Teaching Horseback Riding Interpersonal Relationships Wilderness First Responder or First Responder Communications IV or Technical Writing	T T G G G G T T T G G G G G G G G G G G	1.00 2.00 3.00 2.00 1.00 3.00 3.00 1.00 12.00-13.00 1.00 3.00 1.00 3.00 1.00 3.00	3.00 3.00 0.00 3.00 1.00 0.00 1.50-3.00 11.50-13.00 1.50-13.00 7.00 0.00 6.00 3.00 0.00 0.00 13.00-16.00	2.00 3.00 3.00 3.00 1.00 3.00 3.00 0.50 15.00-15.50  Credit 3.00 3.00 3.00 3.00 3.00 3.00 3.00 3.0	\$75 \$100 \$15 \$10 \$10 \$10 \$20 \$50 \$7 \$450 \$50 \$20 \$20
Course M EQSI EQSI EQSI MICS COMM NRM  Fifth Qu Course M EQSI EQSI EQSI COMM NRM  Fifth Qu Course M EQSI COMM COMM COMM COMM COMM COMM COMM COM	No.  104 200 119 210 121C 130  135 269  Narter 201 250 154 229 129 124 225		Primitive Tools Horse Packing Equine Business Management Horseshoeing I Microsoft Office – Spreadsheet Speech or Verbal Career Skills Natural Resources Exposition I (Optional)  Course Name Horse Program Management Teaching Horseback Riding Interpersonal Relationships Wilderness First Responder or First Responder Communications IV or Technical Writing	T T T G G G G T T Type T G G G G G G G G G G G G G G G G G G	1.00 2.00 3.00 2.00 1.00 3.00 3.00 1.00 12.00-13.00  Class 2.00 1.00 3.00 1.00 3.00 1.00 3.00 1.00 3.00 Class	3.00 3.00 3.00 0.00 3.00 1.00 0.00 1.50-3.00 11.50-13.00  Lab 3.00 7.00 0.00 6.00 3.00 0.00 13.00-16.00	2.00 3.00 3.00 3.00 1.00 3.00 3.00 0.50 15.00-15.50  Credit 3.00 3.00 3.00 3.00 3.00 3.00 Credit 3.00 Credit	\$75 \$100 \$15 \$10 \$10 \$10 \$20 \$50 \$7 \$450 \$50 \$20 \$20
Course M EQSI EQSI EQSI EQSI MICS COMM COMM NRM  Fifth Qu Course M EQSI PSYC ECO  EM COMM COMM COMM COMM COMM COMM	No.  104 200 119 210 121C 130  135 269  Marter No.  201 250 154 229 129 124 225  Marter No.  225		Primitive Tools Horse Packing Equine Business Management Horseshoeing I Microsoft Office - Spreadsheet Speech or Verbal Career Skills Natural Resources Exposition I (Optional)  Course Name Horse Program Management Teaching Horseback Riding Interpersonal Relationships Wilderness First Responder or First Responder Communications IV or Technical Writing  Course Name Campus Park Patrol - Capstone	T T T G G G G T T T G G G G G G G G G G	1.00 2.00 3.00 2.00 1.00 3.00 3.00 1.00 12.00-13.00  Class 2.00 1.00 3.00 1.00 3.00 1.00  Class 1.00  Class 1.00	3.00 3.00 0.00 3.00 1.00 0.00 0.00 1.50-3.00 11.50-13.00  Lab 3.00 7.00 0.00 6.00 3.00 0.00 0.00 13.00-16.00	2.00 3.00 3.00 3.00 3.00 3.00 3.00 3.00	\$75 \$100 \$15 \$10 \$10 \$10 \$20 \$50 \$7 \$450 \$50 \$20 \$20
Course M EQSI EQSI EQSI MICS COMM NRM  Fifth Qu Course M EQSI EQSI EQSI COMM NRM  Fifth Qu Course M EQSI COMM COMM COMM COMM COMM COMM COMM COM	No.  104 200 119 210 121C 130  135 269  Narter 201 250 154 229 129 124 225		Primitive Tools Horse Packing Equine Business Management Horseshoeing I Microsoft Office – Spreadsheet Speech or Verbal Career Skills Natural Resources Exposition I (Optional)  Course Name Horse Program Management Teaching Horseback Riding Interpersonal Relationships Wilderness First Responder or First Responder Communications IV or Technical Writing	T T T G G G G T T T G G G G G G G G G G	1.00 2.00 3.00 2.00 1.00 3.00 3.00 1.00 12.00-13.00  Class 2.00 1.00 3.00 1.00 3.00 1.00  Class 1.00 2.00	3.00 3.00 0.00 3.00 1.00 0.00 1.50-3.00 11.50-13.00  Lab 3.00 7.00 0.00 6.00 3.00 0.00 0.00 13.00-16.00	2.00 3.00 3.00 3.00 3.00 3.00 3.00 3.00	\$75 \$100 \$15 \$10 \$10 \$10 \$10 \$20 \$50 \$20 \$20 \$20 \$20
Course M EQSI EQSI EQSI EQSI MICS COMM COMM NRM  Fifth Qu Course M EQSI EQSI EQSI EQSI EQSI EQSI EQSI EQSI	No.  104 200 119 210 121C 130  135 269  Narter No.  201 250 154 229  129 124 225  Narter No.  225 262	Р	Primitive Tools Horse Packing Equine Business Management Horseshoeing I Microsoft Office – Spreadsheet Speech or Verbal Career Skills Natural Resources Exposition I (Optional)  Course Name Horse Program Management Teaching Horseback Riding Interpersonal Relationships Wilderness First Responder or First Responder Communications IV or Technical Writing  Course Name Campus Park Patrol – Capstone Equine Conformation	T T T G G G G T T T G G G G G G G G G G	1.00 2.00 3.00 2.00 1.00 3.00 3.00 1.00 12.00-13.00  Class 2.00 1.00 3.00 1.00 3.00 1.00  Class 1.00  Class 1.00	3.00 3.00 0.00 3.00 1.00 0.00 0.00 1.50-3.00 11.50-13.00  Lab 3.00 7.00 0.00 6.00 3.00 0.00 0.00 13.00-16.00	2.00 3.00 3.00 3.00 3.00 3.00 3.00 3.00	\$75 \$100 \$15 \$10 \$10 \$10 \$20 \$50 \$7 \$450 \$50 \$20 \$20
Course M EQSI EQSI EQSI EQSI MICS COMM COMM NRM  Fifth Qu Course M EQSI EQSI EQSI EQSI EQSI EQSI EQSI EQSI	No.  104 200 119 210 121C 130  135 269  Narter No. 201 250 154 229 129 124 225  Narter No. 225 262 100	Р	Primitive Tools Horse Packing Equine Business Management Horseshoeing I Microsoft Office – Spreadsheet Speech or Verbal Career Skills Natural Resources Exposition I (Optional)  Course Name Horse Program Management Teaching Horseback Riding Interpersonal Relationships Wilderness First Responder or First Responder Communications IV or Technical Writing  Course Name Campus Park Patrol – Capstone Equine Conformation Accounting I	T T T G G G G T T T G G G G G G G G G G	1.00 2.00 3.00 2.00 1.00 3.00 3.00 1.00 12.00-13.00  Class 2.00 1.00 3.00 1.00 3.00 1.00  Class 1.00 2.00 2.00 2.00	3.00 3.00 0.00 3.00 1.00 0.00 1.50-3.00 11.50-13.00  Lab 3.00 7.00 0.00 6.00 3.00 0.00 13.00-16.00  Lab 6.00 3.00 3.00 3.00 3.00	2.00 3.00 3.00 3.00 1.00 3.00 3.00 3.00 0.50 15.00-15.50  Credit 3.00 3.00 3.00 3.00 0.50 1.00 0.50 0.50 0.50 0.50 0.50 0	\$75 \$100 \$15 \$10 \$10 \$10 \$10 \$20 \$50 \$20 \$20 \$20 \$20
Course MEQSI EQSI EQSI EQSI EQSI EQSI MICS COMM NRM  Fifth Qu Course MEQSI EQSI EQSI EQSI EQSI EQSI EQSI EQSI	No.  104 200 119 210 121C 130  135 269  Narter No.  201 250 154 229 129 124 225  Narter No.  225 262 100 143 230	Р	Primitive Tools Horse Packing Equine Business Management Horseshoeing I Microsoft Office - Spreadsheet Speech or Verbal Career Skills Natural Resources Exposition I (Optional)  Course Name Horse Program Management Teaching Horseback Riding Interpersonal Relationships Wilderness First Responder or First Responder Communications IV or Technical Writing  Course Name Campus Park Patrol - Capstone Equine Conformation Accounting I Equine Marketing and Brochure Development Team Driving I or	TTTTGGGGGGGTTTYPE	1.00 2.00 3.00 2.00 1.00 3.00 3.00 1.00 12.00-13.00  Class 2.00 1.00 3.00 1.00 3.00 1.00  Class 1.00 2.00 2.00 2.00 2.00 2.00	3.00 3.00 0.00 3.00 1.00 0.00 1.50-3.00 11.50-13.00  Lab 3.00 7.00 0.00 6.00 3.00 0.00 13.00-16.00  Lab 6.00 3.00 3.00 3.00 3.00 3.00 3.00 3.00	2.00 3.00 3.00 3.00 3.00 3.00 3.00 3.00	\$75 \$100 \$15 \$10 \$10 \$10  Course Fee \$50 \$7 \$450 \$20 \$20  Course Fee \$200 \$5 \$75
Course MEQSI EQSI EQSI EQSI EQSI MICS COMM COMM NRM  Fifth Qu Course MEQSI EQSI EQSI EQSI EQSI EQSI EQSI EQSI	No.  104 200 119 210 121C 130  135 269  Narter No. 201 250 154 229 129 124 225  Narter No. 225 262 100 143	Р	Primitive Tools Horse Packing Equine Business Management Horseshoeing I Microsoft Office – Spreadsheet Speech or Verbal Career Skills Natural Resources Exposition I (Optional)  Course Name Horse Program Management Teaching Horseback Riding Interpersonal Relationships Wilderness First Responder or First Responder Communications IV or Technical Writing  Course Name Campus Park Patrol – Capstone Equine Conformation Accounting I Equine Marketing and Brochure Development Team Driving I	T T T G G G G T T T G G G G G T T T G	1.00 2.00 3.00 2.00 1.00 3.00 3.00 1.00 12.00-13.00  Class 2.00 1.00 3.00 1.00  Class 1.00 2.00 2.00 2.00 2.00 2.00 1.00	3.00 3.00 0.00 3.00 1.00 0.00 1.50-3.00 11.50-13.00  Lab 3.00 7.00 0.00 6.00 3.00 0.00 13.00-16.00  Lab 6.00 3.00 3.00 3.00 3.00 3.00 3.00 3.00	2.00 3.00 3.00 3.00 3.00 3.00 3.00 3.00	\$75 \$100 \$15 \$10 \$10 \$10 \$10  Course Fee \$50 \$7 \$450 \$20 \$20 \$20  Course Fee \$200 \$5
Course MEQSI EQSI EQSI EQSI EQSI EQSI MICS COMM COMM NRM  Fifth Qu Course MEQSI EQSI EQSI EQSI EQSI EQSI EQSI EQSI	No.  104 200 119 210 121C 130  135 269  Narter No.  201 250 154 229 129 124 225  Narter No.  225 262 100 143 230 240	Р	Primitive Tools Horse Packing Equine Business Management Horseshoeing I Microsoft Office – Spreadsheet Speech or Verbal Career Skills Natural Resources Exposition I (Optional)  Course Name Horse Program Management Teaching Horseback Riding Interpersonal Relationships Wilderness First Responder or First Responder Communications IV or Technical Writing  Course Name Campus Park Patrol – Capstone Equine Conformation Accounting I Equine Marketing and Brochure Development Team Driving I or Colt Training I	TTTTGGGGGGGTTTYPE	1.00 2.00 3.00 2.00 1.00 3.00 3.00 1.00 12.00-13.00  Class 2.00 1.00 3.00 1.00 3.00 1.00  Class 1.00 2.00 2.00 2.00 2.00 2.00	3.00 3.00 0.00 3.00 1.00 0.00 1.50-3.00 11.50-13.00  Lab 3.00 7.00 0.00 6.00 3.00 0.00 13.00-16.00  Lab 6.00 3.00 3.00 3.00 3.00 3.00 3.00 3.00	2.00 3.00 3.00 3.00 3.00 3.00 3.00 3.00	\$75 \$100 \$15 \$10 \$10 \$10  Course Fee \$50 \$7 \$450 \$20 \$20  Course Fee \$200 \$5 \$75
Course MEQSI EQSI EQSI EQSI EQSI MICS COMM COMM NRM  Fifth Qu Course MEQSI EQSI EQSI EQSI EQSI EQSI EQSI EQSI	No.  104 200 119 210 121C 130  135 269  Narter No. 201 250 154 229 129 124 225  Narter No. 225 262 100 143 230 240  I Credit Hours	Р	Primitive Tools Horse Packing Equine Business Management Horseshoeing I Microsoft Office – Spreadsheet Speech or Verbal Career Skills Natural Resources Exposition I (Optional)  Course Name Horse Program Management Teaching Horseback Riding Interpersonal Relationships Wilderness First Responder or First Responder Communications IV or Technical Writing  Course Name Campus Park Patrol – Capstone Equine Conformation Accounting I Equine Marketing and Brochure Development Team Driving I or Colt Training I 60.00-69.00	TTTTGGGGGGGTTTYPE	1.00 2.00 3.00 2.00 1.00 3.00 3.00 1.00 12.00-13.00  Class 2.00 1.00 3.00 1.00  Class 1.00 2.00 2.00 2.00 2.00 2.00 1.00	3.00 3.00 0.00 3.00 1.00 0.00 1.50-3.00 11.50-13.00  Lab 3.00 7.00 0.00 6.00 3.00 0.00 13.00-16.00  Lab 6.00 3.00 3.00 3.00 3.00 3.00 3.00 3.00	2.00 3.00 3.00 3.00 3.00 3.00 3.00 3.00	\$75 \$100 \$15 \$10 \$10 \$10  Course Fee \$50 \$7 \$450 \$20 \$20  Course Fee \$200 \$5 \$75
Course MEQSI EQSI EQSI EQSI EQSI MICS COMM NRM  Fifth Qu Course MEQSI EQSI EQSI EQSI EQSI EQSI EQSI EQSI	No.  104 200 119 210 121C 130  135 269  Narter No.  201 250 154 229 129 124 225  Narter No.  225 262 100 143 230 240	Р	Primitive Tools Horse Packing Equine Business Management Horseshoeing I Microsoft Office – Spreadsheet Speech or Verbal Career Skills Natural Resources Exposition I (Optional)  Course Name Horse Program Management Teaching Horseback Riding Interpersonal Relationships Wilderness First Responder or First Responder Communications IV or Technical Writing  Course Name Campus Park Patrol – Capstone Equine Conformation Accounting I Equine Marketing and Brochure Development Team Driving I or Colt Training I	TTTTGGGGGGGTTTYPE	1.00 2.00 3.00 2.00 1.00 3.00 3.00 1.00 12.00-13.00  Class 2.00 1.00 3.00 1.00  Class 1.00 2.00 2.00 2.00 2.00 2.00 1.00	3.00 3.00 0.00 3.00 1.00 0.00 1.50-3.00 11.50-13.00  Lab 3.00 7.00 0.00 6.00 3.00 0.00 13.00-16.00  Lab 6.00 3.00 3.00 3.00 3.00 3.00 3.00 3.00	2.00 3.00 3.00 3.00 3.00 3.00 3.00 3.00	\$75 \$100 \$15 \$10 \$10 \$10  Course Fee \$50 \$7 \$450 \$20 \$20  Course Fee \$200 \$5 \$75

## **Ecotourism and Adventure Travel**

For students entering June, 2002 through May, 2003

First Qua								
Course N			Course Name	Type	<u>Class</u>	<u>Lab</u>	Credit	Course Fee
ECO	230		Northwoods Eco Lodge Management	T	1.00	6.00	3.00	\$300
INTP	109		Night Interpretation	T	1.00	3.00	2.00	
INTP	115		Interpretive Methods	T	2.00	3.00	3.00	\$25
BIOS	109		Dendrology	G	2.00	3.00	3.00	\$35
ECO	100		Introduction to Ecotourism	G	2.00	6.00	4.00	\$60
				Ü	8.00	21.00	15.00	\$00
Second Q	luarter (Resort N	1anagem	ent Focus)			21100	10.00	
Course No	0.		Course Name	Type	Class	Lab	Credit	Course Fee
ECO	108		Sustainable Development	T	1.00	3.00	2.00	\$35
ECO	115		Ecotour Packaging and Marketing	Ť	3.00	3.00	4.00	\$35
ECO	117		Ecotourism Business	Ť	3.00	1.00	3.00	455
FOR	120		Photo Interpretation	Ť	1.00	6.00	3.00	\$5
COMM	122	Р	Communications II	Ġ	3.00	0.00		
MATH	108B	'	Introduction to Algebra for Business	G	3.00	1.00	3.00	\$20
1417 (1111	1000		introduction to Aigeora for Business	G	14.00	14.00	<u>3.00</u> 18.00	\$16
Third Oua	arter (Outdoor F	ncus)			14.00	14.00	18.00	
Course No			Course Name	Type	Class	Lab	Cradit	Course Foo
CULA	110		Outdoor Cookery and Indigenous Foods	TAPC	2.00	3.00	Credit	Course Fee
BIOS	102		Ecology	Ġ	2.00		3.00	\$120
BIOS	132		Field Biology			3.00	3.00	\$20
BIOS	271		Ornithology	G	2.00	3.00	3.00	\$25
				G	2.00	3.00	3.00	\$10
MICS	121		Microsoft Office	G	2.00	3.00	3.00	\$45
Summar	Ouartor (San Eas	tourism	and Aventure Travel Notes on next page)		10.00	15.00	15.00	
Course No		tourism	Course Name	Tuna	Class	Lab	01!4	0
ECO	<u>0.</u> 292		Ecotourism Field Experience	<u>Type</u> T	Class	<u>Lab</u>	Credit	Course Fee
LCO	292		or	1	0.00	36.00	3.00	
ECO	296		Ecotourism Practicum	T	1.00	7.00	2.00	
LCO	250		Cotoansiii i racticani	'	1.00 1.00	7.00-36.00	2.00 2.00-3.00	
Fourth Or	uarter (Outdoor	Focus			1.00	7.00-36.00	2.00-3.00	
Course No		, ocus,	Course Name	Type	Class	Lab	Credit	Course Eco
ECO ECO	101		Island Resource Planning and Management	T	2.00	3.00	3.00	Course Fee
ECO	131		Ecotourism Lodge and Field Station Management	†	1.00			\$396
ECO	145		Self and Wind Propelled Watercraft	†		6.00	3.00	\$348
ECO	199				0.00	7.00	3.00	\$408
BIOS	104		Open Water Scuba Diver (PADI)	T	2.00	3.00	3.00	\$678
			Subtropical Ecology	G	2.00	3.00	3.00	\$405
SUPR	136		Outdoor Leadership Development	G	2.00	3.00	3.00	\$361
Eifth Oua	irter (Outdoor Fo	oue)			9.00	25.00	18.00	
Course No		icus)	Causes Name	T	CI	1.4	0 "	
ECO			Course Name	<u>Type</u>	Class	<u>Lab</u>	Credit	Course Fee
	185		Resource Area Management	Ţ	2.00	3.00	3.00	2.
INTP	230		Self-Guided Interpretation and Exhibit Design	Ţ	2.00	3.00	3.00	\$15
COMM	104		Job Search Techniques	G	1.00	0.00	1.00	\$10
COMM	123H	D	Communications III – Nature Readings	G	3.00	0.00	3.00	\$20
		P					3.00	\$7
SOCI	165	Р	Cross Cultural Studies	G	3.00	0.00		
COMM	165 130	Р	Speech	G	3.00 3.00	0.00 0.00	3.00	\$10
COMM	130	P	Speech or	G	3.00	0.00	3.00	\$10
		Р	Speech		3.00 3.00	0.00 0.00	3.00 3.00	
COMM	130 135		Speech or Verbal Career Skills	G	3.00	0.00	3.00	\$10
COMM COMM Sixth Qua	130 135 arter (Water/Adv		Speech or Verbal Career Skills Focus)	G G	3.00 3.00 14.00	0.00 0.00 6.00	3.00 3.00 16.00	\$10 \$10
COMM COMM Sixth Qua Course No	130 135 arter (Water/Adv <u>o.</u>		Speech or Verbal Career Skills Focus) Course Name	G	3.00 3.00 14.00 Class	0.00 0.00 6.00 <u>Lab</u>	3.00 3.00 16.00 Credit	\$10 \$10 <u>Course Fee</u>
COMM  COMM  Sixth Qua  Course No	130 135 arter (Water/Adv <u>0.</u> 146		Speech or Verbal Career Skills Focus) Course Name Rafting	G G <u>Type</u> T	3.00 3.00 14.00 Class 0.00	0.00 0.00 6.00 <u>Lab</u> 4.00	3.00 3.00 16.00 Credit 2.00	\$10 \$10 <b>Course Fee</b> \$150
COMM  COMM  Sixth Qua  Course No  ECO  ECO	130 135 arter (Water/Adv <u>o.</u> 146 154		Speech or Verbal Career Skills  Focus) Course Name Rafting Canoeing II - Whitewater	G G <u>Type</u> T	3.00 3.00 14.00 Class 0.00 0.00	0.00 0.00 6.00 Lab 4.00 4.00	3.00 3.00 16.00 Credit 2.00 2.00	\$10 \$10 Course Fee \$150 \$150
COMM  COMM  Sixth Qua  Course No  ECO  ECO  ECO  ECO	130 135 arter (Water/Adv <u>o.</u> 146 154 155		Speech or Verbal Career Skills  Focus) Course Name Rafting Canoeing II - Whitewater Whitewater Rescue	G G <u>Type</u> T T T	3.00 3.00 14.00 Class 0.00 0.00 0.00	0.00 0.00 6.00 Lab 4.00 4.00 2.00	3.00 3.00 16.00 Credit 2.00 2.00 1.00	\$10 \$10 Course Fee \$150 \$150 \$70
COMM  Sixth Qua  Course No  ECO  ECO  ECO  ECO  ECO	130 135 arter (Water/Adv o. 146 154 155 181		Speech or Verbal Career Skills  Focus) Course Name Rafting Canoeing II - Whitewater Whitewater Rescue Kayaking II - Whitewater	G G Type T T T T T	3.00 3.00 14.00 Class 0.00 0.00 0.00 0.00	0.00 0.00 6.00 Lab 4.00 4.00 2.00 4.00	3.00 3.00 16.00 Credit 2.00 2.00 1.00 2.00	\$10 \$10 \$10 Course Fee \$150 \$150 \$70 \$150
COMM  COMM  Sixth Qua  Course No  ECO  ECO  ECO  ECO  ECO  ECO  ECO	130 135 arter (Water/Adv 0. 146 154 155 181 181		Speech or Verbal Career Skills  Focus) Course Name Rafting Canoeing II - Whitewater Whitewater Rescue Kayaking II - Whitewater Canoeing I - Fundamentals	G G Type T T T T G	3.00 3.00 14.00 Class 0.00 0.00 0.00 0.00 0.00	0.00 0.00 6.00 Lab 4.00 4.00 2.00 4.00 2.00	3.00 3.00 16.00 Credit 2.00 2.00 1.00 2.00 1.00	\$10 \$10 \$10 Course Fee \$150 \$150 \$70 \$150 \$70
COMM  Sixth Qua  Course No  ECO  ECO  ECO  ECO  ECO  ECO  ECO  EC	130 135 arter (Water/Adv 0. 146 154 155 181 144 180		Speech or Verbal Career Skills  Focus) Course Name Rafting Canoeing II - Whitewater Whitewater Rescue Kayaking II - Whitewater Canoeing I - Fundamentals Kayaking I - Fundamentals	G  Type  T  T  T  G  G	3.00 3.00 14.00 Class 0.00 0.00 0.00 0.00 0.00 0.00	0.00 0.00 6.00 Lab 4.00 4.00 2.00 4.00 2.00 2.00 2.00	3.00 3.00 16.00 Credit 2.00 2.00 1.00 2.00 1.00 1.00	\$10 \$10 \$10 \$150 \$150 \$70 \$150 \$70 \$70 \$70
COMM  Sixth Qua  Course No  ECO  ECO  ECO  ECO  ECO  ECO  ECO  EC	130 135 arter (Water/Adv 0. 146 154 155 181 144 180 183		Speech or Verbal Career Skills  Focus)  Course Name  Rafting Canoeing II - Whitewater Whitewater Rescue Kayaking II - Whitewater Canoeing I - Fundamentals Kayaking I - Fundamentals Low Impact Camping Equipment	G G Type T T T T G G G	3.00 3.00 14.00 Class 0.00 0.00 0.00 0.00 0.00 0.00 1.00	0.00 0.00 6.00 Lab 4.00 4.00 2.00 4.00 2.00 2.00 1.00	3.00 3.00 16.00 Credit 2.00 2.00 1.00 2.00 1.00 1.00	\$10 \$10 \$150 \$150 \$150 \$70 \$170 \$70 \$70 \$35
COMM  Sixth Qua  Course No  ECO  ECO  ECO  ECO  ECO  ECO  ECO  EC	130 135 arter (Water/Adv o. 146 155 181 144 180 183 229		Speech or Verbal Career Skills  Focus)  Course Name Rafting Canoeing II - Whitewater Whitewater Rescue Kayaking II - Whitewater Canoeing I - Fundamentals Kayaking I - Fundamentals Low Impact Camping Equipment Wilderness First Responder	G G Type T T T G G G G	3.00 3.00 14.00 Class 0.00 0.00 0.00 0.00 0.00 1.00	0.00 0.00 6.00 Lab 4.00 4.00 2.00 4.00 2.00 2.00 1.00 6.00	3.00 3.00 16.00 Credit 2.00 2.00 1.00 2.00 1.00 1.00	\$10 \$10 \$10 \$150 \$150 \$70 \$150 \$70 \$70 \$70
COMM  Sixth Qua  Course No  ECO  ECO  ECO  ECO  ECO  ECO  ECO  EC	130 135 arter (Water/Adv 0. 146 154 155 181 144 180 183		Speech or Verbal Career Skills  Focus)  Course Name  Rafting Canoeing II - Whitewater Whitewater Rescue Kayaking II - Whitewater Canoeing I - Fundamentals Kayaking I - Fundamentals Low Impact Camping Equipment Wilderness First Responder Adventure Leadership - Flatwater Paddling	G G Type T T T T G G G	3.00 3.00 14.00 Class 0.00 0.00 0.00 0.00 0.00 0.00 1.00	0.00 0.00 6.00 Lab 4.00 4.00 2.00 4.00 2.00 2.00 1.00	3.00 3.00 16.00 Credit 2.00 2.00 1.00 2.00 1.00 1.00	\$10 \$10 \$150 \$150 \$150 \$70 \$170 \$70 \$70 \$35
COMM  Sixth Qua  Course No  ECO ECO ECO ECO ECO ECO ECO ECO ECO EC	130 135 arter (Water/Adv 0. 146 154 155 181 144 180 183 229 283		Speech or Verbal Career Skills  Focus)  Course Name  Rafting Canoeing II - Whitewater Whitewater Rescue Kayaking II - Whitewater Canoeing I - Fundamentals Kayaking I - Fundamentals Low Impact Camping Equipment Wilderness First Responder Adventure Leadership - Flatwater Paddling or	G G Type T T T G G G G T	3.00 3.00 14.00 Class 0.00 0.00 0.00 0.00 0.00 1.00 1.00 2.00	0.00 0.00 6.00 Lab 4.00 4.00 2.00 4.00 2.00 1.00 6.00 9.00	3.00 3.00 16.00 Credit 2.00 2.00 1.00 2.00 1.00 1.00 1.00 3.00 5.00	\$10 \$10 \$150 \$150 \$150 \$70 \$70 \$70 \$35 \$450 \$350
COMM  Sixth Qua  Course No  ECO  ECO  ECO  ECO  ECO  ECO  ECO  EC	130 135 arter (Water/Adv o. 146 155 181 144 180 183 229		Speech or Verbal Career Skills  Focus)  Course Name  Rafting Canoeing II - Whitewater Whitewater Rescue Kayaking II - Whitewater Canoeing I - Fundamentals Kayaking I - Fundamentals Low Impact Camping Equipment Wilderness First Responder Adventure Leadership - Flatwater Paddling	G G Type T T T G G G G	3.00 3.00 14.00 Class 0.00 0.00 0.00 0.00 0.00 1.00 1.00 2.00	0.00 0.00 6.00 Lab 4.00 4.00 2.00 4.00 2.00 1.00 6.00 9.00	3.00 3.00 16.00 Credit 2.00 2.00 1.00 2.00 1.00 1.00 1.00 1.00 3.00 5.00	\$10 \$10 \$10 \$150 \$150 \$70 \$150 \$70 \$70 \$35 \$450
COMM  Sixth Qua  Course No  ECO  ECO  ECO  ECO  ECO  ECO  ECO  EC	130 135 arter (Water/Adv 0. 146 154 155 181 144 180 183 229 283	enture F	Speech or Verbal Career Skills  Focus)  Course Name  Rafting Canoeing II - Whitewater Whitewater Rescue Kayaking II - Whitewater Canoeing I - Fundamentals Kayaking I - Fundamentals Low Impact Camping Equipment Wilderness First Responder Adventure Leadership - Flatwater Paddling or Adventure Leadership - Whitewater Paddling	G G Type T T T T G G G T	3.00 3.00 14.00 Class 0.00 0.00 0.00 0.00 0.00 1.00 1.00 2.00	0.00 0.00 6.00 Lab 4.00 4.00 2.00 4.00 2.00 1.00 6.00 9.00	3.00 3.00 16.00 Credit 2.00 2.00 1.00 2.00 1.00 1.00 1.00 3.00 5.00	\$10 \$10 \$150 \$150 \$150 \$70 \$70 \$70 \$35 \$450 \$350
COMM  Sixth Qua  Course No  ECO ECO ECO ECO ECO ECO ECO ECO ECO EC	130 135 arter (Water/Adv 0. 146 154 155 181 144 180 183 229 283 287 Sixth Quarter (V	enture F	Speech or Verbal Career Skills  Focus)  Course Name Rafting Canoeing II - Whitewater Whitewater Rescue Kayaking II - Whitewater Canoeing I - Fundamentals Kayaking I - Fundamentals Low Impact Camping Equipment Wilderness First Responder Adventure Leadership - Flatwater Paddling or Adventure Leadership - Whitewater Paddling ss/Adventure Focus)	G G Type T T T G G G T T	3.00 3.00 14.00 Class 0.00 0.00 0.00 0.00 1.00 1.00 2.00 4.00	0.00 0.00 6.00  Lab 4.00 2.00 4.00 2.00 2.00 1.00 6.00 9.00 34.00	3.00 3.00 16.00  Credit 2.00 1.00 2.00 1.00 1.00 1.00 3.00 5.00 18.00	\$10 \$10 \$10 \$150 \$150 \$70 \$70 \$70 \$35 \$450 \$350
COMM  Sixth Qua  Course No  ECO ECO ECO ECO ECO ECO ECO ECO ECO EC	130 135 arter (Water/Adv 0. 146 154 155 181 144 180 183 229 283 287 Sixth Quarter (V	enture F	Speech or Verbal Career Skills  Focus)  Course Name Rafting Canoeing II - Whitewater Whitewater Rescue Kayaking II - Fundamentals Kayaking I - Fundamentals Low Impact Camping Equipment Wilderness First Responder Adventure Leadership - Flatwater Paddling or Adventure Leadership - Whitewater Paddling ss/Adventure Focus) Course Name	G G Type T T T G G G T T	3.00 3.00 14.00  Class 0.00 0.00 0.00 0.00 0.00 1.00 1.00 2.00 4.00  Class	0.00  0.00 6.00  Lab 4.00 2.00 4.00 2.00 2.00 1.00 6.00 9.00 34.00  Lab	3.00 3.00 16.00  Credit 2.00 2.00 1.00 2.00 1.00 3.00 5.00 5.00 Credit	\$10 \$10 \$10 \$150 \$150 \$70 \$70 \$70 \$35 \$450 \$450 \$450
COMM  Sixth Qua  Course No  ECO  ECO  ECO  ECO  ECO  ECO  ECO  EC	130 135 arter (Water/Adv 0. 146 154 155 181 144 180 183 229 283 287 Sixth Quarter (V 0. 128	enture F	Speech or Verbal Career Skills  Focus) Course Name Rafting Canoeing II - Whitewater Whitewater Rescue Kayaking II - Whitewater Canoeing I - Fundamentals Kayaking I - Fundamentals Low Impact Camping Equipment Wilderness First Responder Adventure Leadership - Flatwater Paddling or Adventure Leadership - Whitewater Paddling ss/Adventure Focus) Course Name Basic Rock Climbing	G G Type T T T G G G T T T T T T T T T T T T T	3.00 3.00 14.00  Class 0.00 0.00 0.00 0.00 1.00 1.00 2.00 4.00  Class 0.75	0.00 0.00 6.00 Lab 4.00 4.00 2.00 4.00 2.00 1.00 6.00 9.00 34.00 Lab 2.25	3.00 3.00 16.00  Credit 2.00 2.00 1.00 1.00 1.00 3.00 5.00 18.00  Credit 1.50	\$10 \$10 \$150 \$150 \$150 \$70 \$70 \$70 \$35 \$450 \$350 \$450
COMM  Sixth Qua Course No ECO	130 135 arter (Water/Adv 0. 146 154 155 181 144 180 183 229 283 287 Sixth Quarter (V 0. 128 289	enture F	Speech or Verbal Career Skills  Focus)  Course Name  Rafting Canoeing II - Whitewater Whitewater Rescue Kayaking II - Whitewater Canoeing I - Fundamentals Kayaking I - Fundamentals Low Impact Camping Equipment Wilderness First Responder Adventure Leadership - Flatwater Paddling or Adventure Leadership - Whitewater Paddling ss/Adventure Focus) Course Name Basic Rock Climbing Adventure Leadership - Backpacking	G G Type T T T G G G T T T T	3.00  3.00 14.00  Class 0.00 0.00 0.00 0.00 1.00 1.00 1.00 2.00  2.00 4.00  Class 0.75 2.00	0.00  0.00 6.00  Lab 4.00 4.00 2.00 4.00 2.00 1.00 6.00 9.00  9.00 34.00  Lab 2.25 9.00	3.00  3.00 16.00  Credit 2.00 2.00 1.00 2.00 1.00 3.00 5.00  5.00  Credit 1.50 5.00	\$10 \$10 \$10 Course Fee \$150 \$150 \$70 \$150 \$70 \$35 \$450 \$350 \$450 Course Fee \$75 \$450
COMM  Sixth Qua  Course No  ECO  ECO  ECO  ECO  ECO  ECO  ECO  EC	130 135  arter (Water/Adv 0. 146 154 155 181 144 180 183 229 283 287  Sixth Quarter (V 0. 128 289 123	enture F	Speech or Verbal Career Skills  Focus)  Course Name Rafting Canoeing II - Whitewater Whitewater Rescue Kayaking II - Brudamentals Kayaking I - Fundamentals Kayaking I - Fundamentals Low Impact Camping Equipment Wilderness First Responder Adventure Leadership - Flatwater Paddling or Adventure Leadership - Whitewater Paddling ss/Adventure Focus) Course Name Basic Rock Climbing Adventure Leadership - Backpacking Rappelling and Rope Techniques	G G Type T T T G G G T T T T	3.00 3.00 14.00 Class 0.00 0.00 0.00 0.00 1.00 1.00 2.00 2.00	0.00 0.00 6.00 Lab 4.00 2.00 4.00 2.00 1.00 6.00 9.00 34.00 Lab 2.25 9.00 2.25	3.00  3.00 16.00  Credit 2.00 2.00 1.00 2.00 1.00 3.00 5.00  5.00 18.00  Credit 1.50 5.00 1.50	\$10 \$10 \$10 Course Fee \$150 \$150 \$70 \$70 \$35 \$450 \$350 \$450 \$20 \$350 \$450 \$350
COMM  Sixth Qua  Course No  ECO ECO ECO ECO ECO ECO ECO ECO ECO EC	130 135  arter (Water/Adv 0. 146 154 155 181 144 180 183 229 283 287  Sixth Quarter (V 0. 128 289 123 178	enture F	Speech or Verbal Career Skills  Focus)  Course Name Rafting Canoeing II - Whitewater Whitewater Rescue Kayaking II - Whitewater Canoeing I - Fundamentals Kayaking I - Fundamentals Low Impact Camping Equipment Wilderness First Responder Adventure Leadership - Flatwater Paddling or Adventure Leadership - Whitewater Paddling ss/Adventure Focus) Course Name Basic Rock Climbing Adventure Leadership - Backpacking Rappelling and Rope Techniques Ropes Course Facilitation	G G Type T T T G G G T T T T G G G T T T	3.00 3.00 14.00  Class 0.00 0.00 0.00 0.00 1.00 1.00 2.00 4.00  Class 0.75 2.00 0.75 1.00	0.00  0.00 6.00  Lab 4.00 2.00 4.00 2.00 2.00 1.00 6.00 9.00 34.00  Lab 2.25 9.00 2.25 3.00	3.00 3.00 16.00  Credit 2.00 1.00 2.00 1.00 1.00 3.00 5.00  5.00 18.00  Credit 1.50 5.00 1.50 2.00	\$10 \$10 \$10 Course Fee \$150 \$150 \$70 \$70 \$70 \$35 \$450 \$450 Course Fee \$75 \$450 \$55 \$250
COMM  Sixth Qua Course No ECO	130 135  arter (Water/Adv 0. 146 154 155 181 144 180 183 229 283 287  Sixth Quarter (V 0. 128 289 123 178 188	enture F	Speech or Verbal Career Skills  Focus) Course Name Rafting Canoeing II - Whitewater Whitewater Rescue Kayaking II - Whitewater Canoeing I - Fundamentals Low Impact Camping Equipment Wilderness First Responder Adventure Leadership - Flatwater Paddling or Adventure Leadership - Whitewater Paddling ss/Adventure Focus) Course Name Basic Rock Climbing Adventure Leadership - Backpacking Rappelling and Rope Techniques Ropes Course Facilitation Camping Equipment and Backpacking	G G Type T T T G G G T T T T T T T T G G G G G	3.00 3.00 14.00  Class 0.00 0.00 0.00 0.00 1.00 1.00 2.00 4.00  Class 0.75 2.00 0.75 1.00 1.00	0.00  0.00 6.00  Lab 4.00 2.00 4.00 2.00 2.00 1.00 6.00 9.00  9.00 34.00  Lab 2.25 9.00 2.25 3.00 6.00	3.00  3.00 16.00  Credit 2.00 2.00 1.00 2.00 1.00 3.00 5.00  5.00 18.00  Credit 1.50 5.00 1.50 2.00 3.00	\$10 \$10 \$10 Course Fee \$150 \$70 \$70 \$70 \$70 \$35 \$450 \$450 Course Fee \$75 \$450 \$55 \$250 \$75
COMM  COMM  Sixth Qua Course No ECO	130 135 arter (Water/Adv 0. 146 154 155 181 144 180 183 229 283 287  Sixth Quarter (V 0. 128 289 123 178 188 229	enture F	Speech or Verbal Career Skills  Focus)  Course Name  Rafting Canoeing II - Whitewater Whitewater Rescue Kayaking II - Whitewater Canoeing I - Fundamentals Kayaking I - Fundamentals Low Impact Camping Equipment Wilderness First Responder Adventure Leadership - Flatwater Paddling or Adventure Leadership - Whitewater Paddling ss/Adventure Focus) Course Name Basic Rock Climbing Adventure Leadership - Backpacking Rappelling and Rope Techniques Ropes Course Facilitation Camping Equipment and Backpacking Wilderness First Responder	G G Type T T T G G G T T T T G G G G G T T G	3.00  3.00 14.00  Class 0.00 0.00 0.00 0.00 1.00 1.00 2.00  2.00 4.00  Class 0.75 2.00 0.75 1.00 1.00 1.00	0.00  0.00 6.00  Lab 4.00 4.00 2.00 4.00 2.00 1.00 6.00 9.00  34.00  Lab 2.25 9.00 2.25 3.00 6.00 6.00	3.00  3.00 16.00  Credit 2.00 2.00 1.00 2.00 1.00 3.00 5.00  5.00 18.00  Credit 1.50 5.00 1.50 2.00 3.00 3.00 3.00 3.00	\$10 \$10 \$10 Course Fee \$150 \$70 \$150 \$70 \$70 \$35 \$450 \$350 \$450 \$250 \$55 \$250 \$75 \$450
COMM  Sixth Qua Course No ECO	130 135  arter (Water/Adv 0. 146 154 155 181 144 180 183 229 283  287  Sixth Quarter (V 0. 128 289 123 178 188 229 226	enture F	Speech or Verbal Career Skills  Focus)  Course Name  Rafting Canoeing II - Whitewater Whitewater Rescue Kayaking II - Whitewater Canoeing I - Fundamentals Kayaking I - Fundamentals Low Impact Camping Equipment Wilderness First Responder Adventure Leadership - Flatwater Paddling or Adventure Leadership - Whitewater Paddling ss/Adventure Focus) Course Name Basic Rock Climbing Adventure Leadership - Backpacking Rappelling and Rope Techniques Ropes Course Facilitation Camping Equipment and Backpacking Wilderness First Responder Vertical Rope Rescue	G G Type T T T G G G T T T T G G G G G T T G	3.00  3.00 14.00  Class 0.00 0.00 0.00 0.00 1.00 1.00 2.00  2.00 4.00  Class 0.75 2.00 0.75 1.00 1.00 1.00 0.75	0.00  0.00 6.00  Lab 4.00 2.00 4.00 2.00 1.00 6.00 9.00 34.00  Lab 2.25 9.00 2.25 3.00 6.00 6.00 6.00 1.50	3.00  3.00 16.00  Credit 2.00 2.00 1.00 2.00 1.00 3.00 5.00  5.00 18.00  Credit 1.50 5.00 1.50 2.00 3.00 3.00 5.00	\$10 \$10 \$10 Course Fee \$150 \$70 \$70 \$70 \$70 \$35 \$450 \$450 Course Fee \$75 \$450 \$55 \$250 \$75
COMM  COMM  Sixth Qua Course No ECO	130 135 arter (Water/Adv 0. 146 154 155 181 144 180 183 229 283 287  Sixth Quarter (V 0. 128 289 123 178 188 229	enture F	Speech or Verbal Career Skills  Focus)  Course Name  Rafting Canoeing II - Whitewater Whitewater Rescue Kayaking II - Whitewater Canoeing I - Fundamentals Kayaking I - Fundamentals Low Impact Camping Equipment Wilderness First Responder Adventure Leadership - Flatwater Paddling or Adventure Leadership - Whitewater Paddling ss/Adventure Focus) Course Name Basic Rock Climbing Adventure Leadership - Backpacking Rappelling and Rope Techniques Ropes Course Facilitation Camping Equipment and Backpacking Wilderness First Responder	G G Type T T T G G G T T T T G G G G G T T G	3.00 3.00 14.00  Class 0.00 0.00 0.00 0.00 1.00 2.00 4.00  Class 0.75 2.00 0.75 1.00 1.00 1.00 0.75 0.00	0.00  0.00 6.00  Lab 4.00 2.00 4.00 2.00 1.00 6.00 9.00  34.00  Lab 2.25 9.00 2.25 3.00 6.00 6.00 6.00 1.50 0.00	3.00  3.00 16.00  Credit 2.00 2.00 1.00 2.00 1.00 3.00 5.00  5.00 18.00  Credit 1.50 5.00 1.50 2.00 3.00 3.00 3.00 3.00 1.25 0.25-5.00	\$10 \$10 \$10 Course Fee \$150 \$70 \$150 \$70 \$70 \$35 \$450 \$350 \$450 \$250 \$55 \$250 \$75 \$450
COMM  Sixth Qua  Course No  ECO ECO ECO ECO ECO ECO ECO ECO ECO EC	130 135  arter (Water/Adv  0.  146 154 155 181 144 180 183 229 283 287  Sixth Quarter (V  0.  128 289 123 178 188 229 226 •••	enture F	Speech or Verbal Career Skills  Focus)  Course Name Rafting Canoeing II - Whitewater Whitewater Rescue Kayaking II - Whitewater Canoeing I - Fundamentals Kayaking I - Fundamentals Low Impact Camping Equipment Wilderness First Responder Adventure Leadership - Flatwater Paddling or Adventure Leadership - Whitewater Paddling ss/Adventure Focus) Course Name Basic Rock Climbing Adventure Leadership - Backpacking Rappelling and Rope Techniques Ropes Course Facilitation Camping Equipment and Backpacking Wilderness First Responder Vertical Rope Rescue Ecotourism Elective (Optional)	G G Type T T T G G G T T T T G G G G G T T G	3.00  3.00 14.00  Class 0.00 0.00 0.00 0.00 1.00 1.00 2.00  2.00 4.00  Class 0.75 2.00 0.75 1.00 1.00 1.00 0.75	0.00  0.00 6.00  Lab 4.00 2.00 4.00 2.00 1.00 6.00 9.00 34.00  Lab 2.25 9.00 2.25 3.00 6.00 6.00 6.00 1.50	3.00  3.00 16.00  Credit 2.00 2.00 1.00 2.00 1.00 3.00 5.00  5.00 18.00  Credit 1.50 5.00 1.50 2.00 3.00 3.00 5.00	\$10 \$10 \$10 Course Fee \$150 \$70 \$150 \$70 \$70 \$35 \$450 \$350 \$450 \$250 \$55 \$250 \$75 \$450
COMM  COMM  Sixth Qua Course No ECO	130 135  arter (Water/Adv 0. 146 154 155 181 144 180 183 229 283  287  Sixth Quarter (V 0. 128 289 123 178 188 229 226	enture F	Speech or Verbal Career Skills  Focus)  Course Name Rafting Canoeing II - Whitewater Whitewater Rescue Kayaking II - Whitewater Canoeing I - Fundamentals Kayaking I - Fundamentals Low Impact Camping Equipment Wilderness First Responder Adventure Leadership - Flatwater Paddling or Adventure Leadership - Whitewater Paddling ss/Adventure Focus) Course Name Basic Rock Climbing Adventure Leadership - Backpacking Rappelling and Rope Techniques Ropes Course Facilitation Camping Equipment and Backpacking Wilderness First Responder Vertical Rope Rescue	G G Type T T T G G G T T T T G G G G G T T G	3.00 3.00 14.00  Class 0.00 0.00 0.00 0.00 1.00 2.00 4.00  Class 0.75 2.00 0.75 1.00 1.00 1.00 0.75 0.00	0.00  0.00 6.00  Lab 4.00 2.00 4.00 2.00 1.00 6.00 9.00  34.00  Lab 2.25 9.00 2.25 3.00 6.00 6.00 6.00 1.50 0.00	3.00  3.00 16.00  Credit 2.00 2.00 1.00 2.00 1.00 3.00 5.00  5.00 18.00  Credit 1.50 5.00 1.50 2.00 3.00 3.00 3.00 3.00 1.25 0.25-5.00	\$10 \$10 \$10 Course Fee \$150 \$70 \$150 \$70 \$70 \$35 \$450 \$350 \$450 \$250 \$55 \$250 \$75 \$450

Ecotourism and Adventure Travel Notes: To complete graduation requirements, students must enroll in ECO 296 (Ecotourism Practicum – 2 credits) or ECO 292 (Field Experience in Ecotourism – 3 credits) any quarter after the third quarter.

101.00-114.25

Total Credit Hours

## **Environmental Restoration**

For students entering June, 2002 through May, 2003

First Qua Course N			Course Name	<u>Type</u>	Class	Lab	Credit	Course Fee
ERT ERT	101 107		Equipment Operations I	T	2.00	12.00	6.00	\$450
EM	129		Heavy Equipment Maintenance and Repair I First Responder	T G	1.00 1.00	3.00 3.00	2.00 2.00	\$25 \$50
ERT	110		Construction Basics	G	2.00	3.00	3.00	\$25
PSYC	154		Interpersonal Relationships	G	3.00 9.00	<u>0.00</u> 21.00	3.00	\$7
					9.00	21.00	16.00	
Second O Course N			Course Name	T	Ol		0 114	
DD DD	100		Course Name Blueprint Reading	<u>Type</u> T	<u>Class</u> 1.00	<u>Lab</u> 2.00	<u>Credit</u> 1.00	Course Fee \$10
ERT	102		Equipment Operations II	T	2.00	12.00	6.00	\$450
ERT ERT	108 121		Heavy Equipment Maintenance and Repair II Welding	T T	1.00 1.00	3.00	2.00	\$25
COMM	104		Job Search Techniques	Ġ	1.00	3.00 0.00	2.00 1.00	\$65 \$10
MATH	108 N		Introduction to Algebra for Natural Resources	G	3.00	1.00	3.00	\$16
					9.00	21.00	15.00	
Third Qua								
Course No ERT	<u>o.</u> 103		Course Name	<u>Type</u>	Class	<u>Lab</u>	Credit	Course Fee
ERT	103		Equipment Operations III Heavy Equipment Maintenance and Repair III	T T	2.00 1.00	12.00 3.00	6.00 2.00	\$450 \$25
BIOS	101		Environmental Science	G	3.00	0.00	3.00	\$20
MATH	110	Р	Geometry and Trigonometry	G	3.00	1.00	3.00	\$16
MISC	121		Microsoft Office	G	<u>2.00</u> 11.00	3.00 19.00	3.00 17.00	\$45
					11.00	10.00	17.00	
Summer ( Course No			Course Name	Type	Class	Lob	Cuadit	Course For
ERT	<u>9.</u> 296		Environmental Restoration Practicum	<u>Type</u> T	1.00	<u>Lab</u> 7.00	<u>Credit</u> 2.00	Course Fee
					1.00	7.00	2.00	
Fourth Q	uarter							
Course No			Course Name	Type	Class	Lab	Credit	Course Fee
ERT	175		Commercial Drivers License 40 Hour	Ţ	1.00	3.00	2.00	\$375
NRM COMM	123 122	Р	Surveying and Mapping I Communications II	T G	2.00 3.00	3.00 0.00	3.00 3.00	\$15 \$20
GEOL	101	•	Geology	G	2.00	3.00	3.00	\$20 \$25
ERT	204		Equipment Operations IV	T	2.00	12.00	6.00	\$450
ERT	294A		or Equipment Operations Co-op/Apprenticeship A	Т	2.00	40.00	6.00	
			1111		10.00	21.00-49.00	17.00	
Fifth Qua	rter							
Course No			Course Name	Type	Class	Lab	Credit	Course Fee
ERT	215	р	Job Appraisal and Bidding	T	1.00	6.00	3.00	\$20
COMM SOCI	123 165	Р	Communications III Cross Cultural Studies	G G	3.00 3.00	0.00	3.00 3.00	\$20 \$7
ERT	205		Equipment Operations V	T	2.00	12.00	6.00	\$450
ERT	294B		or Equipment Operations Co-op/Apprenticeship B	Т	2.00	40.00	0.00	
ENI	2340		Equipment Operations Co-op/Apprenticeship B	1	<u>2.00</u> 9.00	<u>40.00</u> 18.00-46.00	<u>6.00</u> 15.00	
6: .1 0							, 5, 5	
Sixth Qua			Course Name	Type	Class	Lab	Credit	Course Fee
BUS	120	Р	Personal Finance	G	3.00	0.00	3.00	
COMM ERT	135		Verbal Career Skills	G	3.00	0.00	3.00	\$10
ENI	206		Equipment Operations VI or	T	2.00	12.00	6.00	\$450
ERT	294C	_	Equipment Operations Co-op/Apprenticeship	T	2.00	40.00	6.00	
COMM	124	Р	Communications IV or	G	3.00	0.00	3.00	\$20
COMM	225	Р	Technical Writing	G	3.00	0.00	3.00	\$20
			-		11.00	12.00-40.00	15.00	:
Technical	Credit Hours		55.00					
General C	redit Hours		42.00					
Total Cred	lit Hours		97.00					

## **Equine Health and Complimentary Therapies**

For students entering June, 2002 through May, 2003

Technical Credit Hours

General Credit Hours Total Credit Hours 62.00-68.50

43.00 105.00-111.50

First Qu	arter							
Course N			Course Name	T	Class	1 -6	0 117	
			Course Name	Type	<u>Class</u>	<u>Lab</u>	<u>Credit</u>	Course Fee
EQSI	103		Horse Care Handling	1	2.00	5.00	3.00	
EQSI	110		Horsemanship I - Beginning Riding	T	2.00	3.00	3.00	\$200
EQSI	112		Equine Health Care I	Ť	3.00	1.00	3.00	\$155
BIOS	103		General Biology	G	2.00	3.00	3.00	\$25
COMM	122	Р	Communications II	G	3.00	0.00	3.00	\$20
MICS	121A		Microsoft Office - Word Processing	G	1.00	1.00	1.00	\$15
								\$15
NRM	169		Natural Resources Exposition I (Optional)	T	0.00	1.50	0.50	
					13.00	13.00-14.50	16.00-16.50	
Second (	Quarter							
				_				
Course N	<u>vo.</u>		Course Name	<u>Type</u>	<u>Class</u>	<u>Lab</u>	<u>Credit</u>	Course Fee
EQSI	113		Equine Nutrition and Supplements	T	2.00	3.00	3.00	
EQSI	116		Equine Anatomy and Physiology I	T	3.00	6.00	5.00	¢0E
								\$25
EQSI	201		Horse Program Management	T	2.00	3.00	3.00	
EQSI	210		Horseshoeing I	T	2.00	3.00	3.00	\$100
EQSI	111		Equine Employment Seminar	G	2.00	0.00	2.00	\$80
MICS	121B		Microsoft Office – Database					
IVIICS	1210		Microsoft Office - Database	G	<u>1.00</u>	<u>1.00</u>	<u>1.00</u>	\$15
					12.00	16.00	17.00	
Third Qu	ıarter							
			Course Name	Tune	Class	Lab	C	0
Course N			Course Name	Type	Class	<u>Lab</u>	Credit	Course Fee
EQSI	160		Equine Massage	T	2.00	3.00	3.00	\$80
EQSI	262		Equine Conformation	T	2.00	3.00	3.00	•
COMM	123	Р	Communications III					¢20
		r		G	3.00	0.00	3.00	\$20
EM	129		First Responder	G	1.00	3.00	2.00	\$50
EQSI	143		Equine Marketing and Brochure Development	G	2.00	3.00	3.00	
MICS	121C		Microsoft Office – Spreadsheet	Ğ	1.00			¢15
						1.00	1.00	\$15
PSYC	154		Interpersonal Relationships	G	3.00	0.00	3.00	\$7
					14.00	13.00	18.00	
C	0							
Summer								
Course N	<u>√o.</u>		Course Name	Type	Class	Lab	Credit	Course Fee
EQSI	294		Equine Science Cooperative Work Experience	T	2.00	40.00	6.00	
2451	201		•	,	2.00	40.00	0.00	
			or	_				
EQSI	296		Equine Science Practicum	T	<u>1.00</u>	7.00	2.00	
					1.00-2.00	7.00-40.00	2.00-6.00	
					.,,,,	7.00 10.00	2.00 0.00	
F (1. 0	· · · · ·							
Fourth C								
Fourth C Course N			Course Name	Type	Class	Lab	Credit	Course Fee
Course N	lo.			<u>Type</u>	Class	<u>Lab</u>	Credit	Course Fee
Course N EQSI	<del>lo.</del> 123		Equine Health Care II	T	3.00	6.00	5.00	\$155
<u>Course N</u> EQSI EQSI	<del>lo.</del> 123 124		Equine Health Care II Equine Acupressure I	T	3.00 1.00	6.00 3.00		
Course N EQSI	<del>lo.</del> 123		Equine Health Care II	T	3.00	6.00	5.00	\$155 \$210
Course N EQSI EQSI EQSI	<del>lo.</del> 123 124 161		Equine Health Care II Equine Acupressure I Advanced Equine Massage	T T	3.00 1.00 2.00	6.00 3.00 3.00	5.00 2.00 3.00	\$155
Course N EQSI EQSI EQSI EQSI	No. 123 124 161 119		Equine Health Care II Equine Acupressure I Advanced Equine Massage Equine Business Management	T T T G	3.00 1.00 2.00 3.00	6.00 3.00 3.00 0.00	5.00 2.00 3.00 3.00	\$155 \$210 \$80
Course N EQSI EQSI EQSI	<del>lo.</del> 123 124 161		Equine Health Care II Equine Acupressure I Advanced Equine Massage Equine Business Management Speech	T T	3.00 1.00 2.00	6.00 3.00 3.00	5.00 2.00 3.00	\$155 \$210
Course N EQSI EQSI EQSI EQSI	No. 123 124 161 119		Equine Health Care II Equine Acupressure I Advanced Equine Massage Equine Business Management	T T T G	3.00 1.00 2.00 3.00	6.00 3.00 3.00 0.00	5.00 2.00 3.00 3.00	\$155 \$210 \$80
Course N EQSI EQSI EQSI EQSI	No. 123 124 161 119 130		Equine Health Care II Equine Acupressure I Advanced Equine Massage Equine Business Management Speech	T T G G	3.00 1.00 2.00 3.00 3.00	6.00 3.00 3.00 0.00 0.00	5.00 2.00 3.00 3.00 3.00	\$155 \$210 \$80 \$10
Course N EQSI EQSI EQSI EQSI COMM	No. 123 124 161 119 130		Equine Health Care II Equine Acupressure I Advanced Equine Massage Equine Business Management Speech or Verbal Career Skills	T T G G	3.00 1.00 2.00 3.00 3.00	6.00 3.00 3.00 0.00 0.00	5.00 2.00 3.00 3.00 3.00 3.00	\$155 \$210 \$80
Course N EQSI EQSI EQSI EQSI COMM	No. 123 124 161 119 130		Equine Health Care II Equine Acupressure I Advanced Equine Massage Equine Business Management Speech or	T T G G	3.00 1.00 2.00 3.00 3.00 3.00 0.00	6.00 3.00 3.00 0.00 0.00 0.00 1.50	5.00 2.00 3.00 3.00 3.00 3.00 0.50-2.00	\$155 \$210 \$80 \$10
Course N EQSI EQSI EQSI EQSI COMM	No. 123 124 161 119 130		Equine Health Care II Equine Acupressure I Advanced Equine Massage Equine Business Management Speech or Verbal Career Skills	T T G G	3.00 1.00 2.00 3.00 3.00	6.00 3.00 3.00 0.00 0.00	5.00 2.00 3.00 3.00 3.00 3.00	\$155 \$210 \$80 \$10
Course N EQSI EQSI EQSI EQSI COMM	No. 123 124 161 119 130		Equine Health Care II Equine Acupressure I Advanced Equine Massage Equine Business Management Speech or Verbal Career Skills	T T G G	3.00 1.00 2.00 3.00 3.00 3.00 0.00	6.00 3.00 3.00 0.00 0.00 0.00 1.50	5.00 2.00 3.00 3.00 3.00 3.00 0.50-2.00	\$155 \$210 \$80 \$10
Course N EQSI EQSI EQSI EQSI COMM COMM	No.  123 124 161 119 130 135 269		Equine Health Care II Equine Acupressure I Advanced Equine Massage Equine Business Management Speech or Verbal Career Skills	T T G G	3.00 1.00 2.00 3.00 3.00 3.00 0.00	6.00 3.00 3.00 0.00 0.00 0.00 1.50	5.00 2.00 3.00 3.00 3.00 3.00 0.50-2.00	\$155 \$210 \$80 \$10
Course N EQSI EQSI EQSI EQSI COMM COMM NRM	No. 123 124 161 119 130 135 269		Equine Health Care II Equine Acupressure I Advanced Equine Massage Equine Business Management Speech or Verbal Career Skills Natural Resources Exposition II (Optional)	T T T G G G	3.00 1.00 2.00 3.00 3.00 3.00 0.00 12.00	6.00 3.00 3.00 0.00 0.00 0.00 1.50 12.00-13.50	5.00 2.00 3.00 3.00 3.00 3.00 0.50-2.00 16.00-18.00	\$155 \$210 \$80 \$10 \$10
Course N EQSI EQSI EQSI EQSI COMM COMM NRM	No.  123 124 161 119 130 135 269  arter		Equine Health Care II Equine Acupressure I Advanced Equine Massage Equine Business Management Speech or Verbal Career Skills Natural Resources Exposition II (Optional)	T T T G G G T T	3.00 1.00 2.00 3.00 3.00 3.00 0.00 12.00	6.00 3.00 3.00 0.00 0.00 0.00 1.50 12.00-13.50	5.00 2.00 3.00 3.00 3.00 3.00 0.50-2.00 16.00-18.00	\$155 \$210 \$80 \$10 \$10
Course N EQSI EQSI EQSI COMM COMM NRM  Fifth Qu Course N EQSI	123 124 161 119 130 135 269 arter 40.		Equine Health Care II Equine Acupressure I Advanced Equine Massage Equine Business Management Speech or Verbal Career Skills Natural Resources Exposition II (Optional)  Course Name Equine Anatomy and Physiology II	T T T G G G T T	3.00 1.00 2.00 3.00 3.00 3.00 0.00 12.00	6.00 3.00 3.00 0.00 0.00 0.00 1.50 12.00-13.50	5.00 2.00 3.00 3.00 3.00 3.00 0.50-2.00 16.00-18.00	\$155 \$210 \$80 \$10 \$10
Course N EQSI EQSI EQSI EQSI COMM COMM NRM	No.  123 124 161 119 130 135 269  arter		Equine Health Care II Equine Acupressure I Advanced Equine Massage Equine Business Management Speech or Verbal Career Skills Natural Resources Exposition II (Optional)	T T T G G G T T	3.00 1.00 2.00 3.00 3.00 3.00 0.00 12.00	6.00 3.00 3.00 0.00 0.00 0.00 1.50 12.00-13.50	5.00 2.00 3.00 3.00 3.00 3.00 0.50-2.00 16.00-18.00 Credit 5.00	\$155 \$210 \$80 \$10 \$10
Course N EQSI EQSI EQSI COMM COMM NRM  Fifth Qu Course N EQSI EQSI	No.  123 124 161 119 130  135 269  arter No.  117 126		Equine Health Care II Equine Acupressure I Advanced Equine Massage Equine Business Management Speech or Verbal Career Skills Natural Resources Exposition II (Optional)  Course Name Equine Anatomy and Physiology II Animal Acupressure – The Animal Meridian System	T T T G G G T T	3.00 1.00 2.00 3.00 3.00 3.00 0.00 12.00 Class 3.00 1.00	6.00 3.00 3.00 0.00 0.00 0.00 1.50 12.00-13.50 Lab 6.00 0.00	5.00 2.00 3.00 3.00 3.00 3.00 0.50-2.00 16.00-18.00 Credit 5.00 1.00	\$155 \$210 \$80 \$10 \$10
Course N EQSI EQSI EQSI COMM COMM NRM  Fifth Qu Course N EQSI EQSI EQSI	No.  123 124 161 119 130  135 269  arter No.  117 126 127		Equine Health Care II Equine Acupressure I Advanced Equine Massage Equine Business Management Speech or Verbal Career Skills Natural Resources Exposition II (Optional)  Course Name Equine Anatomy and Physiology II Animal Acupressure – The Animal Meridian System Animal Acupressure – Acupoints	T T T G G G T T T T T T T T T T T T T T	3.00 1.00 2.00 3.00 3.00 3.00 0.00 12.00 Class 3.00 1.00	6.00 3.00 3.00 0.00 0.00 0.00 1.50 12.00-13.50 Lab 6.00 0.00 0.00	5.00 2.00 3.00 3.00 3.00 3.00 0.50-2.00 16.00-18.00 Credit 5.00 1.00	\$155 \$210 \$80 \$10 \$10
Course N EQSI EQSI EQSI COMM COMM NRM  Fifth Qu Course N EQSI EQSI EQSI EQSI EQSI	No.  123 124 161 119 130 135 269  arter No.  117 126 127 128		Equine Health Care II Equine Acupressure I Advanced Equine Massage Equine Business Management Speech or Verbal Career Skills Natural Resources Exposition II (Optional)  Course Name Equine Anatomy and Physiology II Animal Acupressure – The Animal Meridian System Animal Acupressure – The Five Elements	T T T T G G G T T T T T T T T T T T T T	3.00 1.00 2.00 3.00 3.00 3.00 0.00 12.00 Class 3.00 1.00 1.00	6.00 3.00 3.00 0.00 0.00 0.00 1.50 12.00-13.50 Lab 6.00 0.00 0.00	5.00 2.00 3.00 3.00 3.00 3.00 0.50-2.00 16.00-18.00 Credit 5.00 1.00 1.00	\$155 \$210 \$80 \$10 \$10
Course N EQSI EQSI EQSI COMM COMM NRM  Fifth Qu Course N EQSI EQSI EQSI	No.  123 124 161 119 130  135 269  arter No.  117 126 127		Equine Health Care II Equine Acupressure I Advanced Equine Massage Equine Business Management Speech or Verbal Career Skills Natural Resources Exposition II (Optional)  Course Name Equine Anatomy and Physiology II Animal Acupressure – The Animal Meridian System Animal Acupressure – Acupoints	T T T T G G G T T T T T T T T T T T T T	3.00 1.00 2.00 3.00 3.00 3.00 0.00 12.00 Class 3.00 1.00	6.00 3.00 3.00 0.00 0.00 0.00 1.50 12.00-13.50 Lab 6.00 0.00 0.00	5.00 2.00 3.00 3.00 3.00 3.00 0.50-2.00 16.00-18.00 Credit 5.00 1.00	\$155 \$210 \$80 \$10 \$10
Course N EQSI EQSI EQSI COMM COMM NRM  Fifth Qu Course N EQSI EQSI EQSI EQSI EQSI EQSI EQSI EQSI	No.  123 124 161 119 130 135 269  arter No.  117 126 127 128 129		Equine Health Care II Equine Acupressure I Advanced Equine Massage Equine Business Management Speech or Verbal Career Skills Natural Resources Exposition II (Optional)  Course Name Equine Anatomy and Physiology II Animal Acupressure – The Animal Meridian System Animal Acupressure – The Five Elements Animal Acupressure – The Five Elements Animal Acupressure – Traditional Chinese Method	T T T T G G G T T T T T T T T T T T T T	3.00 1.00 2.00 3.00 3.00 3.00 0.00 12.00 Class 3.00 1.00 1.00	6.00 3.00 3.00 0.00 0.00 0.00 1.50 12.00-13.50 Lab 6.00 0.00 0.00 0.00	5.00 2.00 3.00 3.00 3.00 3.00 0.50-2.00 16.00-18.00 Credit 5.00 1.00 1.00 1.00	\$155 \$210 \$80 \$10 \$10
Course N EQSI EQSI EQSI COMM COMM NRM  Fifth Qu Course N EQSI EQSI EQSI EQSI EQSI EQSI EQSI EQSI	123 124 161 119 130 135 269  arter 10. 117 126 127 128 129 263	D	Equine Health Care II Equine Acupressure I Advanced Equine Massage Equine Business Management Speech or Verbal Career Skills Natural Resources Exposition II (Optional)  Course Name Equine Anatomy and Physiology II Animal Acupressure – The Animal Meridian System Animal Acupressure – The Five Elements Animal Acupressure – The Five Elements Animal Acupressure – Traditional Chinese Method Broodmare and Foal Care	T T T T G G G T T T T T T T T T T T T T	3.00 1.00 2.00 3.00 3.00 3.00 0.00 12.00 Class 3.00 1.00 1.00 1.00	6.00 3.00 3.00 0.00 0.00 0.00 1.50 12.00-13.50 Lab 6.00 0.00 0.00 0.00 0.00	5.00 2.00 3.00 3.00 3.00 3.00 0.50-2.00 16.00-18.00 Credit 5.00 1.00 1.00 1.00 1.00 3.00	\$155 \$210 \$80 \$10 \$10 \$25
Course N EQSI EQSI EQSI COMM COMM NRM  Fifth Qu Course N EQSI EQSI EQSI EQSI EQSI EQSI EQSI EQSI	No.  123 124 161 119 130 135 269  arter No.  117 126 127 128 129	P	Equine Health Care II Equine Acupressure I Advanced Equine Massage Equine Business Management Speech or Verbal Career Skills Natural Resources Exposition II (Optional)  Course Name Equine Anatomy and Physiology II Animal Acupressure – The Animal Meridian System Animal Acupressure – The Five Elements Animal Acupressure – The Five Elements Animal Acupressure – Traditional Chinese Method Broodmare and Foal Care Communications IV	T T T T G G G T T T T T T T T T T T T T	3.00 1.00 2.00 3.00 3.00 3.00 0.00 12.00 Class 3.00 1.00 1.00	6.00 3.00 3.00 0.00 0.00 0.00 1.50 12.00-13.50 Lab 6.00 0.00 0.00 0.00	5.00 2.00 3.00 3.00 3.00 3.00 0.50-2.00 16.00-18.00 Credit 5.00 1.00 1.00 1.00	\$155 \$210 \$80 \$10 \$10
Course N EQSI EQSI EQSI COMM NRM  Fifth Qu Course N EQSI EQSI EQSI EQSI EQSI EQSI EQSI EQSI	123 124 161 119 130 135 269  arter 10. 117 126 127 128 129 263		Equine Health Care II Equine Acupressure I Advanced Equine Massage Equine Business Management Speech or Verbal Career Skills Natural Resources Exposition II (Optional)  Course Name Equine Anatomy and Physiology II Animal Acupressure – The Animal Meridian System Animal Acupressure – The Five Elements Animal Acupressure – The Five Elements Animal Acupressure – Traditional Chinese Method Broodmare and Foal Care Communications IV or	T T T G G T T T T T T T T T T T T T T T	3.00 1.00 2.00 3.00 3.00 3.00 0.00 12.00 Class 3.00 1.00 1.00 1.00	6.00 3.00 3.00 0.00 0.00 0.00 1.50 12.00-13.50 Lab 6.00 0.00 0.00 0.00 0.00	5.00 2.00 3.00 3.00 3.00 3.00 0.50-2.00 16.00-18.00 Credit 5.00 1.00 1.00 1.00 1.00 3.00	\$155 \$210 \$80 \$10 \$10 \$25
Course N EQSI EQSI EQSI COMM COMM NRM  Fifth Qu Course N EQSI EQSI EQSI EQSI EQSI EQSI EQSI EQSI	123 124 161 119 130 135 269  arter 10. 117 126 127 128 129 263	P P	Equine Health Care II Equine Acupressure I Advanced Equine Massage Equine Business Management Speech or Verbal Career Skills Natural Resources Exposition II (Optional)  Course Name Equine Anatomy and Physiology II Animal Acupressure – The Animal Meridian System Animal Acupressure – The Five Elements Animal Acupressure – The Five Elements Animal Acupressure – Traditional Chinese Method Broodmare and Foal Care Communications IV or	T T T G G T T T T T T T T T T T T T T T	3.00 1.00 2.00 3.00 3.00 3.00 12.00 12.00 1.00 1.00 1.00 1.00 2.00 3.00	6.00 3.00 3.00 0.00 0.00 0.00 1.50 12.00-13.50 Lab 6.00 0.00 0.00 0.00 0.00 0.00 0.00	5.00 2.00 3.00 3.00 3.00 3.00 0.50-2.00 16.00-18.00 Credit 5.00 1.00 1.00 1.00 3.00 3.00	\$155 \$210 \$80 \$10 \$10 \$25
Course N EQSI EQSI EQSI COMM COMM NRM  Fifth Qu Course N EQSI EQSI EQSI EQSI EQSI EQSI EQSI COMM COMM	No.  123 124 161 119 130  135 269  arter No. 117 126 127 128 129 263 124		Equine Health Care II Equine Acupressure I Advanced Equine Massage Equine Business Management Speech or Verbal Career Skills Natural Resources Exposition II (Optional)  Course Name Equine Anatomy and Physiology II Animal Acupressure – The Animal Meridian System Animal Acupressure – The Five Elements Animal Acupressure – The Five Elements Animal Acupressure – Traditional Chinese Method Broodmare and Foal Care Communications IV or Technical Writing	T T T G G G T T T T T T T T T T T T T T	3.00 1.00 2.00 3.00 3.00 3.00 0.00 12.00 Class 3.00 1.00 1.00 1.00 2.00 3.00	6.00 3.00 3.00 0.00 0.00 0.00 1.50 12.00-13.50 Lab 6.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00	5.00 2.00 3.00 3.00 3.00 3.00 0.50-2.00 16.00-18.00  Credit 5.00 1.00 1.00 1.00 3.00 3.00 3.00 3.00	\$155 \$210 \$80 \$10 \$10 \$25
Course N EQSI EQSI EQSI COMM NRM  Fifth Qu Course N EQSI EQSI EQSI EQSI EQSI EQSI EQSI EQSI	123 124 161 119 130  135 269  arter 10. 117 126 127 128 129 263 124		Equine Health Care II Equine Acupressure I Advanced Equine Massage Equine Business Management Speech or Verbal Career Skills Natural Resources Exposition II (Optional)  Course Name Equine Anatomy and Physiology II Animal Acupressure – The Animal Meridian System Animal Acupressure – The Five Elements Animal Acupressure – The Five Elements Animal Acupressure – Traditional Chinese Method Broodmare and Foal Care Communications IV or	T T T G G T T T T T T T T T T T T T T T	3.00 1.00 2.00 3.00 3.00 3.00 0.00 12.00 Class 3.00 1.00 1.00 1.00 2.00 3.00	6.00 3.00 3.00 0.00 0.00 0.00 1.50 12.00-13.50  Lab 6.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	5.00 2.00 3.00 3.00 3.00 3.00 0.50-2.00 16.00-18.00  Credit 5.00 1.00 1.00 1.00 3.00 3.00 3.00 3.00 3	\$155 \$210 \$80 \$10 \$10 \$25
Course N EQSI EQSI EQSI COMM COMM NRM  Fifth Qu Course N EQSI EQSI EQSI EQSI EQSI EQSI EQSI COMM COMM	No.  123 124 161 119 130  135 269  arter No. 117 126 127 128 129 263 124		Equine Health Care II Equine Acupressure I Advanced Equine Massage Equine Business Management Speech or Verbal Career Skills Natural Resources Exposition II (Optional)  Course Name Equine Anatomy and Physiology II Animal Acupressure – The Animal Meridian System Animal Acupressure – The Five Elements Animal Acupressure – The Five Elements Animal Acupressure – Traditional Chinese Method Broodmare and Foal Care Communications IV or Technical Writing	T T T G G G T T T T T T T T T T T T T T	3.00 1.00 2.00 3.00 3.00 3.00 0.00 12.00 Class 3.00 1.00 1.00 1.00 2.00 3.00	6.00 3.00 3.00 0.00 0.00 0.00 1.50 12.00-13.50 Lab 6.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00	5.00 2.00 3.00 3.00 3.00 3.00 0.50-2.00 16.00-18.00  Credit 5.00 1.00 1.00 1.00 3.00 3.00 3.00 3.00	\$155 \$210 \$80 \$10 \$10 \$25
Course N EQSI EQSI EQSI COMM COMM NRM  Fifth Qu Course N EQSI EQSI EQSI EQSI EQSI EQSI EQSI COMM COMM	No.  123 124 161 119 130  135 269  arter No. 117 126 127 128 129 263 124		Equine Health Care II Equine Acupressure I Advanced Equine Massage Equine Business Management Speech or Verbal Career Skills Natural Resources Exposition II (Optional)  Course Name Equine Anatomy and Physiology II Animal Acupressure – The Animal Meridian System Animal Acupressure – The Five Elements Animal Acupressure – The Five Elements Animal Acupressure – Traditional Chinese Method Broodmare and Foal Care Communications IV or Technical Writing	T T T G G G T T T T T T T T T T T T T T	3.00 1.00 2.00 3.00 3.00 3.00 0.00 12.00 Class 3.00 1.00 1.00 1.00 2.00 3.00	6.00 3.00 3.00 0.00 0.00 0.00 1.50 12.00-13.50  Lab 6.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	5.00 2.00 3.00 3.00 3.00 3.00 0.50-2.00 16.00-18.00  Credit 5.00 1.00 1.00 1.00 3.00 3.00 3.00 3.00 3	\$155 \$210 \$80 \$10 \$10 \$25
Course N EQSI EQSI EQSI COMM COMM NRM  Fifth Qu Course N EQSI EQSI EQSI EQSI EQSI EQSI EQSI EQSI	arter  127  128  129  269  arter  10.  117  126  127  128  129  263  124  225  •••		Equine Health Care II Equine Acupressure I Advanced Equine Massage Equine Business Management Speech or Verbal Career Skills Natural Resources Exposition II (Optional)  Course Name Equine Anatomy and Physiology II Animal Acupressure – The Animal Meridian System Animal Acupressure – The Five Elements Animal Acupressure – The Five Elements Animal Acupressure – Traditional Chinese Method Broodmare and Foal Care Communications IV or Technical Writing	T T T G G G T T T T T T T T T T T T T T	3.00 1.00 2.00 3.00 3.00 3.00 0.00 12.00 Class 3.00 1.00 1.00 1.00 2.00 3.00	6.00 3.00 3.00 0.00 0.00 0.00 1.50 12.00-13.50  Lab 6.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	5.00 2.00 3.00 3.00 3.00 3.00 0.50-2.00 16.00-18.00  Credit 5.00 1.00 1.00 1.00 3.00 3.00 3.00 3.00 3	\$155 \$210 \$80 \$10 \$10 \$25
Course N EQSI EQSI EQSI COMM COMM NRM  Fifth Qu Course N EQSI EQSI EQSI EQSI EQSI EQSI EQSI EQSI	123 124 161 119 130 135 269  arter 40. 117 126 127 128 129 263 124 225 •••		Equine Health Care II Equine Acupressure I Advanced Equine Massage Equine Business Management Speech or Verbal Career Skills Natural Resources Exposition II (Optional)  Course Name Equine Anatomy and Physiology II Animal Acupressure – The Animal Meridian System Animal Acupressure – The Five Elements Animal Acupressure – The Five Elements Animal Acupressure – Traditional Chinese Method Broodmare and Foal Care Communications IV or Technical Writing Equine Science Elective (Required)	TTTTGGGGTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT	3.00 1.00 2.00 3.00 3.00 3.00 0.00 12.00  Class 3.00 1.00 1.00 1.00 1.00 2.00 3.00 3.00 3.00	6.00 3.00 3.00 0.00 0.00 0.00 1.50 12.00-13.50  Lab 6.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	5.00 2.00 3.00 3.00 3.00 3.00 0.50-2.00 16.00-18.00  Credit 5.00 1.00 1.00 1.00 1.00 3.00 3.00 3.00 3	\$155 \$210 \$80 \$10 \$10 \$25 \$25
Course N EQSI EQSI EQSI COMM COMM NRM  Fifth Qu Course N EQSI EQSI EQSI EQSI EQSI EQSI EQSI EQSI	123		Equine Health Care II Equine Acupressure I Advanced Equine Massage Equine Business Management Speech or Verbal Career Skills Natural Resources Exposition II (Optional)  Course Name Equine Anatomy and Physiology II Animal Acupressure – The Animal Meridian System Animal Acupressure – The Five Elements Animal Acupressure – Traditional Chinese Method Broodmare and Foal Care Communications IV or Technical Writing Equine Science Elective (Required)	T T T G G G T T T T T T T T T T T T T T	3.00 1.00 2.00 3.00 3.00 3.00 3.00 12.00  Class 3.00 1.00 1.00 1.00 1.00 2.00 3.00 3.00 0.00 12.00	6.00 3.00 3.00 0.00 0.00 0.00 1.50 12.00-13.50  Lab 6.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	5.00 2.00 3.00 3.00 3.00 3.00 3.00 0.50-2.00 16.00-18.00  Credit 5.00 1.00 1.00 1.00 3.00 3.00 3.00 3.00 18.00	\$155 \$210 \$80 \$10 \$10 \$10 \$25 \$25
Course N EQSI EQSI EQSI EQSI COMM COMM NRM  Fifth Qu Course N EQSI EQSI EQSI EQSI EQSI EQSI EQSI EQSI	123 124 161 119 130 135 269  arter 40. 117 126 127 128 129 263 124 225 •••		Equine Health Care II Equine Acupressure I Advanced Equine Massage Equine Business Management Speech or Verbal Career Skills Natural Resources Exposition II (Optional)  Course Name Equine Anatomy and Physiology II Animal Acupressure – The Animal Meridian System Animal Acupressure – The Five Elements Animal Acupressure – The Five Elements Animal Acupressure – Traditional Chinese Method Broodmare and Foal Care Communications IV or Technical Writing Equine Science Elective (Required)	T T T G G G T T T T T T T T T T T T T T	3.00 1.00 2.00 3.00 3.00 3.00 0.00 12.00  Class 3.00 1.00 1.00 1.00 1.00 2.00 3.00 3.00 0.00 12.00	6.00 3.00 3.00 0.00 0.00 0.00 1.50 12.00-13.50  Lab 6.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	5.00 2.00 3.00 3.00 3.00 3.00 0.50-2.00 16.00-18.00  Credit 5.00 1.00 1.00 1.00 1.00 3.00 3.00 3.00 3	\$155 \$210 \$80 \$10 \$10 \$10 \$25 \$25 \$20 \$20 \$20
Course N EQSI EQSI EQSI EQSI COMM COMM NRM  Fifth Qu Course N EQSI EQSI EQSI EQSI EQSI EQSI EQSI EQSI	123		Equine Health Care II Equine Acupressure I Advanced Equine Massage Equine Business Management Speech or Verbal Career Skills Natural Resources Exposition II (Optional)  Course Name Equine Anatomy and Physiology II Animal Acupressure – The Animal Meridian System Animal Acupressure – The Five Elements Animal Acupressure – The Five Elements Animal Acupressure – Traditional Chinese Method Broodmare and Foal Care Communications IV or Technical Writing Equine Science Elective (Required)	T T T G G G T T T T T T T T T T T T T T	3.00 1.00 2.00 3.00 3.00 3.00 0.00 12.00  Class 3.00 1.00 1.00 1.00 1.00 2.00 3.00 3.00 0.00 12.00	6.00 3.00 3.00 0.00 0.00 0.00 1.50 12.00-13.50  Lab 6.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	5.00 2.00 3.00 3.00 3.00 3.00 3.00 0.50-2.00 16.00-18.00  Credit 5.00 1.00 1.00 1.00 3.00 3.00 3.00 3.00 3	\$155 \$210 \$80 \$10 \$10 \$10 \$25 \$25 \$20 \$20 \$20
Course N EQSI EQSI EQSI COMM COMM NRM  Fifth Qu Course N EQSI EQSI EQSI EQSI EQSI EQSI EQSI EQSI	No.  123 124 161 119 130 135 269  arter No.  117 126 127 128 129 263 124 225 •••  warter No.  132 267	Р	Equine Health Care II Equine Acupressure I Advanced Equine Massage Equine Business Management Speech or Verbal Career Skills Natural Resources Exposition II (Optional)  Course Name Equine Anatomy and Physiology II Animal Acupressure – The Animal Meridian System Animal Acupressure – The Five Elements Animal Acupressure – The Five Elements Animal Acupressure – Traditional Chinese Method Broodmare and Foal Care Communications IV or Technical Writing Equine Science Elective (Required)  Course Name Equine Acupressure II Equine Reproduction and Breeding – Capstone	T T T G G T T T T T T T T T T T T T T T	3.00 1.00 2.00 3.00 3.00 3.00 0.00 12.00  Class 3.00 1.00 1.00 1.00 2.00 3.00 0.00 12.00  Class 2.00 2.00 2.00	6.00 3.00 3.00 0.00 0.00 0.00 1.50 12.00-13.50  Lab 6.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	5.00 2.00 3.00 3.00 3.00 3.00 3.00 0.50-2.00 16.00-18.00  Credit 5.00 1.00 1.00 1.00 3.00 3.00 3.00 3.00 18.00  Credit 3.00 3.00 3.00 3.00 3.00 3.00	\$155 \$210 \$80 \$10 \$10 \$10 \$25 \$20 \$20 \$20 \$20 \$20 \$20
Course N EQSI EQSI EQSI COMM COMM NRM  Fifth Qu Course N EQSI EQSI EQSI EQSI EQSI EQSI EQSI EQSI	lo.  123 124 161 119 130  135 269  arter lo.  117 126 127 128 129 263 124  225 •••  larter lo.  132 267 100	P	Equine Health Care II Equine Acupressure I Advanced Equine Massage Equine Business Management Speech or Verbal Career Skills Natural Resources Exposition II (Optional)  Course Name Equine Anatomy and Physiology II Animal Acupressure – The Animal Meridian System Animal Acupressure – The Five Elements Animal Acupressure – The Five Elements Animal Acupressure – Traditional Chinese Method Broodmare and Foal Care Communications IV or Technical Writing Equine Science Elective (Required)  Course Name Equine Acupressure II Equine Reproduction and Breeding – Capstone Accounting I	TTTTGGGGTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT	3.00 1.00 2.00 3.00 3.00 3.00 0.00 12.00  Class 3.00 1.00 1.00 1.00 1.00 2.00 3.00 0.00 12.00  Class 2.00 2.00 2.00 2.00 2.00	6.00 3.00 3.00 0.00 0.00 0.00 1.50 12.00-13.50  Lab 6.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	5.00 2.00 3.00 3.00 3.00 3.00 3.00 0.50-2.00 16.00-18.00  Credit 5.00 1.00 1.00 1.00 3.00 3.00 3.00 3.00  Credit 3.00 3.00 3.00 3.00 3.00 3.00 3.00 3.0	\$155 \$210 \$80 \$10 \$10 \$10 \$25 \$25 \$20 \$20 \$20
Course N EQSI EQSI EQSI COMM NRM  Fifth Qu Course N EQSI EQSI EQSI EQSI EQSI EQSI EQSI EQSI	123	Р	Equine Health Care II Equine Acupressure I Advanced Equine Massage Equine Business Management Speech or Verbal Career Skills Natural Resources Exposition II (Optional)  Course Name Equine Anatomy and Physiology II Animal Acupressure – The Animal Meridian System Animal Acupressure – The Five Elements Animal Acupressure – The Five Elements Animal Acupressure – Traditional Chinese Method Broodmare and Foal Care Communications IV or Technical Writing Equine Science Elective (Required)  Course Name Equine Acupressure II Equine Reproduction and Breeding – Capstone Accounting I Personal Finance	T T T G G T T T T T T T T T T T T T T T	3.00 1.00 2.00 3.00 3.00 3.00 3.00 12.00  Class 3.00 1.00 1.00 1.00 1.00 2.00 3.00  Class 2.00 2.00 2.00 3.00 3.00	6.00 3.00 3.00 0.00 0.00 0.00 1.50 12.00-13.50  Lab 6.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	5.00 2.00 3.00 3.00 3.00 3.00 3.00 0.50-2.00 16.00-18.00  Credit 5.00 1.00 1.00 1.00 3.00 3.00 3.00 3.00 18.00  Credit 3.00 3.00 3.00 3.00 3.00 3.00	\$155 \$210 \$80 \$10 \$10 \$10 \$25 \$20 \$20 \$20 \$20 \$20 \$20
Course N EQSI EQSI EQSI COMM COMM NRM  Fifth Qu Course N EQSI EQSI EQSI EQSI EQSI EQSI EQSI EQSI	lo.  123 124 161 119 130  135 269  arter lo.  117 126 127 128 129 263 124  225 •••  larter lo.  132 267 100	P	Equine Health Care II Equine Acupressure I Advanced Equine Massage Equine Business Management Speech or Verbal Career Skills Natural Resources Exposition II (Optional)  Course Name Equine Anatomy and Physiology II Animal Acupressure – The Animal Meridian System Animal Acupressure – The Five Elements Animal Acupressure – The Five Elements Animal Acupressure – Traditional Chinese Method Broodmare and Foal Care Communications IV or Technical Writing Equine Science Elective (Required)  Course Name Equine Acupressure II Equine Reproduction and Breeding – Capstone Accounting I	TTTTGGGGTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT	3.00 1.00 2.00 3.00 3.00 3.00 0.00 12.00  Class 3.00 1.00 1.00 1.00 1.00 2.00 3.00 0.00 12.00  Class 2.00 2.00 2.00 2.00 2.00	6.00 3.00 3.00 0.00 0.00 0.00 1.50 12.00-13.50  Lab 6.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	5.00 2.00 3.00 3.00 3.00 3.00 3.00 0.50-2.00 16.00-18.00  Credit 5.00 1.00 1.00 1.00 3.00 3.00 3.00 3.00  Credit 3.00 3.00 3.00 3.00 3.00 3.00 3.00 3.0	\$155 \$210 \$80 \$10 \$10 \$10 \$25 \$20 \$20 \$20 \$20 \$25 \$5
Course N EQSI EQSI EQSI COMM COMM NRM  Fifth Qu Course N EQSI EQSI EQSI EQSI EQSI EQSI EQSI EQSI	123	P	Equine Health Care II Equine Acupressure I Advanced Equine Massage Equine Business Management Speech or Verbal Career Skills Natural Resources Exposition II (Optional)  Course Name Equine Anatomy and Physiology II Animal Acupressure – The Animal Meridian System Animal Acupressure – The Five Elements Animal Acupressure – The Five Elements Animal Acupressure – Traditional Chinese Method Broodmare and Foal Care Communications IV or Technical Writing Equine Science Elective (Required)  Course Name Equine Acupressure II Equine Reproduction and Breeding – Capstone Accounting I Personal Finance Introduction to Algebra for Natural Resources	T T T G G G T T T T T T T T T T T T T T	3.00 1.00 2.00 3.00 3.00 3.00 3.00 12.00 12.00  Class 3.00 1.00 1.00 1.00 1.00 2.00 3.00  Class 2.00 2.00 2.00 3.00 3.00 3.00	6.00 3.00 3.00 0.00 0.00 0.00 1.50 12.00-13.50  Lab 6.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	5.00 2.00 3.00 3.00 3.00 3.00 3.00 0.50-2.00 16.00-18.00  Credit 5.00 1.00 1.00 1.00 1.00 3.00 3.00 3.00 3	\$155 \$210 \$80 \$10 \$10 \$10 \$25 \$20 \$20 \$20 \$20 \$20 \$20
Course N EQSI EQSI EQSI COMM NRM  Fifth Qu Course N EQSI EQSI EQSI EQSI EQSI EQSI EQSI EQSI	123	P	Equine Health Care II Equine Acupressure I Advanced Equine Massage Equine Business Management Speech or Verbal Career Skills Natural Resources Exposition II (Optional)  Course Name Equine Anatomy and Physiology II Animal Acupressure – The Animal Meridian System Animal Acupressure – The Five Elements Animal Acupressure – The Five Elements Animal Acupressure – Traditional Chinese Method Broodmare and Foal Care Communications IV or Technical Writing Equine Science Elective (Required)  Course Name Equine Acupressure II Equine Reproduction and Breeding – Capstone Accounting I Personal Finance	T T T G G T T T T T T T T T T T T T T T	3.00 1.00 2.00 3.00 3.00 3.00 0.00 12.00  Class 3.00 1.00 1.00 1.00 1.00 2.00 3.00 3.00  Class 2.00 2.00 3.00 3.00 3.00 3.00 3.00 3.00	6.00 3.00 3.00 0.00 0.00 0.00 1.50 12.00-13.50  Lab 6.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	5.00 2.00 3.00 3.00 3.00 3.00 3.00 0.50-2.00 16.00-18.00  Credit 5.00 1.00 1.00 1.00 3.00 3.00 3.00 3.00 0.00 0	\$155 \$210 \$80 \$10 \$10 \$10 \$25 \$20 \$20 \$20 \$20 \$25 \$5
Course N EQSI EQSI EQSI COMM COMM NRM  Fifth Qu Course N EQSI EQSI EQSI EQSI EQSI EQSI EQSI EQSI	123	P	Equine Health Care II Equine Acupressure I Advanced Equine Massage Equine Business Management Speech or Verbal Career Skills Natural Resources Exposition II (Optional)  Course Name Equine Anatomy and Physiology II Animal Acupressure – The Animal Meridian System Animal Acupressure – The Five Elements Animal Acupressure – The Five Elements Animal Acupressure – Traditional Chinese Method Broodmare and Foal Care Communications IV or Technical Writing Equine Science Elective (Required)  Course Name Equine Acupressure II Equine Reproduction and Breeding – Capstone Accounting I Personal Finance Introduction to Algebra for Natural Resources	T T T G G G T T T T T T T T T T T T T T	3.00 1.00 2.00 3.00 3.00 3.00 3.00 12.00 12.00  Class 3.00 1.00 1.00 1.00 1.00 2.00 3.00  Class 2.00 2.00 2.00 3.00 3.00 3.00	6.00 3.00 3.00 0.00 0.00 0.00 1.50 12.00-13.50  Lab 6.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	5.00 2.00 3.00 3.00 3.00 3.00 3.00 0.50-2.00 16.00-18.00  Credit 5.00 1.00 1.00 1.00 1.00 3.00 3.00 3.00 3	\$155 \$210 \$80 \$10 \$10 \$10 \$25 \$20 \$20 \$20 \$20 \$25 \$5
Course N EQSI EQSI EQSI COMM COMM NRM  Fifth Qu Course N EQSI EQSI EQSI EQSI EQSI EQSI EQSI EQSI	123	P	Equine Health Care II Equine Acupressure I Advanced Equine Massage Equine Business Management Speech or Verbal Career Skills Natural Resources Exposition II (Optional)  Course Name Equine Anatomy and Physiology II Animal Acupressure – The Animal Meridian System Animal Acupressure – The Five Elements Animal Acupressure – The Five Elements Animal Acupressure – Traditional Chinese Method Broodmare and Foal Care Communications IV or Technical Writing Equine Science Elective (Required)  Course Name Equine Acupressure II Equine Reproduction and Breeding – Capstone Accounting I Personal Finance Introduction to Algebra for Natural Resources	T T T G G G T T T T T T T T T T T T T T	3.00 1.00 2.00 3.00 3.00 3.00 0.00 12.00  Class 3.00 1.00 1.00 1.00 1.00 2.00 3.00 3.00  Class 2.00 2.00 3.00 3.00 3.00 3.00 3.00 3.00	6.00 3.00 3.00 0.00 0.00 0.00 1.50 12.00-13.50  Lab 6.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	5.00 2.00 3.00 3.00 3.00 3.00 3.00 0.50-2.00 16.00-18.00  Credit 5.00 1.00 1.00 1.00 3.00 3.00 3.00 3.00 0.00 0	\$155 \$210 \$80 \$10 \$10 \$10 \$25 \$20 \$20 \$20 \$20 \$25 \$5

## Farrier Science and Business

For students entering June, 2002 through May, 2003

First Qua Course N EQSI			<u>Course Name</u> Horse Care Handling	<u>Type</u> T	<u>Class</u> 2.00	<u>Lab</u> 5.00	Credit 3.00	Course Fee
EQSI EQSI	112 150		Equine Heath Care Î Leathercraft l	T T	3.00 2.00	1.00 4.00	3.00 3.00	\$155 \$160
BIOS COMM	103 122	Р	General Biology Communications II	G G	2.00	3.00	3.00	\$25
EQSI	210	ı	Horseshoeing I	G	3.00 2.00	0.00 3.00	3.00 3.00	\$20 \$100
NRM	169		Natural Resources Exposition I (Optional)	T	0.00	1.50	0.50	*
					14.00	16.00-17.50	18.00-18.50	
Second ( Course N			Course Name	Type	Class	Lob	Cuadit	Саниа Баа
EQSI	116		Equine Anatomy and Physiology I	<u>Type</u> T	3.00	<u>Lab</u> 6.00	<u>Credit</u> 5.00	Course Fee \$25
EQSI BUS	215 100	Р	Horseshoeing II Small Business Management I	T G	2.00 3.00	3.00 2.00	3.00 3.00	\$100
MATH	108 N	,	Introduction to Algebra for Natural Resources	G	3.00	1.00	3.00	\$5 \$16
MICS	121		Microsoft Office	G	<u>2.00</u> 13.00	3.00 15.00	3.00 17.00	\$45
Third O					13.00	13.00	17.00	
Third Qu Course N			Course Name	Type	Class	Lab	Credit	Course Fee
EQSI EQSI	135 262		Forging I	T	2.00	3.00	3.00	
COMM	123	Р	Equine Conformation Communications III	T G	2.00 3.00	3.00 0.00	3.00 3.00	\$20
EQSI	143		Equine Marketing and Brochure Development	G	2.00	3.00	3.00	
PSYC	154		Interpersonal Relationships	G	3.00 12.00	<u>0.00</u> 9.00	3.00 15.00	\$7
Summer	Quarter							
Course N	0.		Course Name	Type	Class	Lab	Credit	Course Fee
EQSI	294		Equine Science Cooperative Work Experience or	T	2.00	40.00	6.00	
EQSI	296		Equine Science Practicum	T	1.00	7.00	2.00	
					1.00-2.00	7.00-40.00	2.00-6.00	
Fourth Q Course N			Course Name	Type	Class	Lab	Cuadit	Course For
EQSI	136		Forging II	<u>Type</u> ⊺	<u>Class</u> 2.00	<u>Lab</u> 3.00	<u>Credit</u> 3.00	Course Fee
EM EQSI	129 119		First Responder Equine Business Management	G G	1.00 3.00	3.00	2.00	\$50
COMM	124	Р	Communications IV	G	3.00	0.00 0.00	3.00	\$20
СОММ	225	Р	or Technical Writing	G	3.00	0.00	3.00	\$20
EQSI	151	,	Leathercraft II	T	1.00	4.00	3.00	\$120
EQSI	160		or Equine Massage	T	2.00	3.00	3.00	\$80
NRM	269		Natural Resources Exposition II (Optional)	Ť	0.00	1.50	0.50-2.00	ΨΟΟ
					10.00-11.00	9.00-11.50	14.00-16.00	
Fifth Qua			Course Name	Type	Class	Lab	Credit	Course Fee
EQSI	113		Equine Nutrition and Supplements	T	2.00	3.00	3.00	Course Fee
EQSI EQSI	201 111		Horse Program Management Equine Employment Seminar	T G	2.00 2.00	3.00 0.00	3.00	<b>¢00</b>
COMM	130		Speech	G	3.00	0.00	2.00 3.00	\$80 \$10
COMM	135		or Verbal Career Skills	G	3.00	0.00	3.00	\$10
SOCI	•••		Social Science Elective (Required)	G	3.00	0.00	3.00	Ψ10
					12.00	6.00	14.00	
Sixth Qu Course N			Course Name	Type	Class	Lab	Cradit	Course Fee
EQSI	<u>0.</u> 257		Horse Tack Fit and Maintenance	<u>Type</u> T	2.00	3.00	<u>Credit</u> 3.00	Course Fee
EQSI ACC	258 100	Р	Corrective Shoeing and Gait Analysis – Capstone Accounting I	T	3.00	6.00	5.00	<b></b>
BUS	120	P	Personal Finance	G G	2.00 3.00	3.00 0.00	3.00 3.00	\$5
EQSI	•••		Equine Science Elective (Required)	Ť	0.00	0.00	3.00	
					10.00	12.00	17.00	
	Credit Hours Credit Hours		48.00-54.50 49.00					
	a cuit Houls		10100					
Total Cred	dit Hours		97.00-103.50					

## Fish Management and Aquaculture

For students entering June, 2002 through May, 2003

First Qua	arter							
Course N			Course Name	Type	Class	Lab	Credit	Course Fee
FMAQ	110		Fish Culture I	T	3.00	5.00	4.00	\$45
FMAQ	115		Hatchery Maintenance - Structure	Ť	2.00	3.00	3.00	\$180
BIOS	120		Botany	G	2.00	3.00	3.00	\$40
GEOL	105		Soils	G	2.00	3.00	3.00	Ψ10
NRM	110		Chainsaw Operation	Ğ	0.00	2.00	1.00	\$85
NRM	113		Watercraft Operation and Maintenance	Ğ	0.00	4.00	2.00	\$75
NRM	130		Recreation Area Equipment	Ğ	0.00	2.00	1.00	\$65
				_	9.00	22.00	17.00	ΨΟΟ
							17.00	
Second (	luarter							
Course N	lo.		Course Name	Type	Class	Lab	Credit	Course Fee
FMAQ	119		Hatchery Maintenance - Welding	T	1.00	3.00	2.00	\$180
BIOS	170		Zoology	G	2.00	3.00	3.00	\$40
COMM	122	P.	Communications II	G	3.00	0.00	3.00	\$20
MATH	108 N		Introduction to Algebra for Natural Resources	G	3.00	1.00	3.00	\$16
PSYC	154		Interpersonal Relationships	G	3.00	0.00	3.00	\$7
EM	129		First Responder	G	1.00	3.00	2.00	\$50
			or					
EM	134	Р	Standard First Aid	G	1.00	0.00	1.00	\$25
					13.00	7.00-10.00	15.00-16.00	
TI: 10								
Third Qu			2	_				
Course N			Course Name	Type	Class	<u>Lab</u>	<u>Credit</u>	Course Fee
BIOS	268		Ichthyology	T	2.00	3.00	3.00	
BIOS	132		Field Biology	G	2.00	3.00	3.00	\$25
COMM	123	Р	Communications III	G	3.00	0.00	3.00	\$20
MATH	110	Р	Geometry and Trigonometry	G	3.00	1.00	3.00	\$16
MICS	121		Microsoft Office	G	2.00	3.00	3.00	\$45
NRM	114		Recreation Employment Seminar	G	1.00	1.00	1.00	
					13.00	11.00	16.00	
Summer	Ougston							
Course N			Course Name	Tuno	Class	Lab	Constit	0
FMAQ			Course Name	<u>Type</u>	Class	<u>Lab</u>	Credit	Course Fee
FIVIAU	294		Fish Management & Aquaculture Coop Work	T	2.00	40.00	6.00	
			Experience					
FMAQ	296		or Fish Management & Aquaculture Practicum	T	1.00	7.00	2.00	
TIVIAG	250		rish Management et Aquaeutture Fracticum	1	<u>1.00</u> 1.00-2.00	7.00 7.00-40.00	2.00	
					1.00-2.00	7.00-40.00	2.00-6.00	
Fourth Q	uarter							
Course N			Course Name	Type	Class	Lab	Credit	Солина Гол
FMAQ	210		Aguatic Plants and Control	<u>Type</u> T	2.00	3.00	3.00	Course Fee
INTP	115		Interpretive Methods	Ť	2.00	3.00	3.00	\$45 \$25
NRM	123		Surveying and Mapping I	Ť	2.00	3.00	3.00	\$15
NRM	217		Aquatic Ecology	Ť	2.00	3.00	3.00	\$25
GEOL	101		Geology	Ġ	2.00	3.00	3.00 3.00	\$25 \$25
GLOL	101		acology	U	10.00	15.00	15.00	\$25
					10.00	13.00	13.00	
Fifth Qua	arter							
Course N	0.		Course Name	Type	Class	Lab	Credit	Course Fee
FMAQ	112		Fish Culture II	T	3.00	5.00	4.00	\$45
FMAQ	117		Hatchery Maintenance (Hydraulics)	Ť	2.00	3.00	3.00	\$170
FMAQ	221		Fish Management I	Ť	2.00	3.00	3.00	\$15
CHEM	131		Environmental Chemistry	G	3.00	3.00	4.00	\$30
WLM	156		Wildlife Investigative Techniques I	T	2.00	3.00	3.00	\$35
			or					*
WLM	215		Wildlife Management I	T	2.00	3.00	3.00	\$10
					12.00	17.00	17.00	
Sixth Qu								
Course N			Course Name	<u>Type</u>	Class	<u>Lab</u>	<u>Credit</u>	Course Fee
FMAQ	114		Fish Culture III	T	3.00	5.00	4.00	\$45
FMAQ	230		Hatchery Design and Construction	Ţ	2.00	3.00	3.00	\$45
FMAQ	238		Fish Management II	Ţ	2.00	6.00	4.00	\$20
FMAQ	271		Fish Pathology	T	2.00	3.00	3.00	\$25
COMM	130		Speech	G	3.00	0.00	3.00	\$10
CONANA	125		Or Verbal Carear Skills	0	2.00	0.00	2.00	<b>#10</b>
COMM	135		Verbal Career Skills	G	3.00	0.00	3.00	\$10
					12.00	17.00	17.00	
Tankislani								
	Credit Hours		53.00-57.00					
	Credit Hours		53.00-57.00 46.00-47.00					
General C	redit Hours		46.00-47.00					
	redit Hours							

Fish Management and Aquaculture Notes: To complete graduation requirements, students must enroll in FMAQ 296 Fish Management and Aquaculture Practicum (3 credits), or FMAQ 294 Fish Management and Aquaculture Coop Work Experience (6 credits), at the beginning of any quarter beginning with the third quarter.

## Forest Management For students entering June, 2002 through May, 2003

First Quarter <u>Course No.</u> FOR 111		<u>Course Name</u> Forest Dendrology	<u>Type</u> T	<u>Class</u> 1.00	<u>Lab</u>	Credit	Course Fee
NRM 169		Natural Resources Exposition I	Ť	0.00	6.00 1.50	3.00 0.50	\$20
COMM 122	Р	Communications II	G	3.00	0.00	3.00	\$20
EM 129		First Responder	G	1.00	3.00	2.00	\$50
FOR 100		Focus on Forestry I	G	1.00	1.00	1.00	\$10
FOR 149 MATH 108N		Basic Wildland Firefighting	G	2.00	2.00	2.00	\$45
MICS 121		Introduction to Algebra for Natural Resources Microsoft Office	G G	3.00 2.00	1.00	3.00	\$16
11105		Wilcrosoft Office	U	13.00	3.00 17.50	<u>3.00</u> 17.50	\$45
Second Quarter							
Course No.		Course Name	Type	Class	Lab	Credit	Course Fee
BIOS 127		Forest Soils	T	2.00	3.00	3.00	\$15
WLM 215		Wildlife Management I	T	2.00	3.00	3.00	\$10
BIOS 106	D.	Conservation Biology	G	4.00	2.00	5.00	
COMM 123 FOR 101	Р	Communications III	G	3.00	0.00	3.00	\$20
MATH 110	Р	Focus on Forestry II Geometry and Trigonometry	G G	1.00 <u>3.00</u>	1.00	1.00	\$10
1417/11/1	'	ocometry and migonometry	U	15.00	<u>1.00</u> 10.00	<u>3.00</u> 18.00	\$16
Third Quarter							
Course No.		Course Name	Type	Class	Lab	Credit	Course Fee
FOR 124		Forest Ecology	T	2.00	3.00	3.00	\$5
FOR 231		Forest Products Utilization	T	1.00	6.00	3.00	\$10
COMM 135		Verbal Career Skills	G	3.00	0.00	3.00	\$10
BIOS 132		Field Biology or	G	2.00	3.00	3.00	\$25
BUS 170	Р	Fundamentals of Business I	G	3.00	2.00	3.00	\$7
SOCI •••		Social Science Elective (Required)	G	3.00	0.00	3.00	
				11.00-12.00	11.00-12.00	15.00	
Summer Quarter							
Course No.	lina oours	Course Name	Type	Class	<u>Lab</u>	Credit	Course Fee
See your advisor regard	iing cours	e offerings.					
Fourth Quarter							
Course No.		Course Name	<u>Type</u>	Class	Lab	Credit	Course Fee
Course No. FOR 120		Photo Interpretation	T	1.00	6.00	3.00	\$5
Course No. FOR 120 FOR 123		Photo Interpretation Forest Measurements	T T	1.00 2.00	6.00 6.00	3.00 4.00	\$5 \$25
Course No. FOR 120		Photo Interpretation Forest Measurements Natural Resources Prescribed Burns	T T T	1.00 2.00 2.00	6.00 6.00 3.00	3.00 4.00 3.00	\$5 \$25 \$75
<u>Course No.</u> FOR 120 FOR 123 FOR 150		Photo Interpretation Forest Measurements	T T	1.00 2.00	6.00 6.00	3.00 4.00 3.00 3.00	\$5 \$25
Course No. FOR 120 FOR 123 FOR 150 FOR 211 FOR 226 A FOR 102		Photo Interpretation Forest Measurements Natural Resources Prescribed Burns Timber Harvesting Production Analysis A Focus on Forestry III	T T T T T G	1.00 2.00 2.00 1.00	6.00 6.00 3.00 6.00	3.00 4.00 3.00	\$5 \$25 \$75
Course No. FOR 120 FOR 123 FOR 150 FOR 211 FOR 226 A FOR 102 FOR 200		Photo Interpretation Forest Measurements Natural Resources Prescribed Burns Timber Harvesting Production Analysis A Focus on Forestry III Focus on Forestry IV	T T T T T G G	1.00 2.00 2.00 1.00 1.00 1.00	6.00 6.00 3.00 6.00 1.50 1.00	3.00 4.00 3.00 3.00 1.50 1.00	\$5 \$25 \$75 \$300
Course No.       FOR     120       FOR     123       FOR     150       FOR     211       FOR     226 A       FOR     102       FOR     200       NRM     269		Photo Interpretation Forest Measurements Natural Resources Prescribed Burns Timber Harvesting Production Analysis A Focus on Forestry III Focus on Forestry IV Natural Resource Exposition II (Optional)	T T T T G G	1.00 2.00 2.00 1.00 1.00 1.00 1.00 0.00	6.00 6.00 3.00 6.00 1.50 1.00 1.50	3.00 4.00 3.00 3.00 1.50 1.00 1.00 0.50-2.00	\$5 \$25 \$75 \$300
Course No. FOR 120 FOR 123 FOR 150 FOR 211 FOR 226 A FOR 102 FOR 200		Photo Interpretation Forest Measurements Natural Resources Prescribed Burns Timber Harvesting Production Analysis A Focus on Forestry III Focus on Forestry IV	T T T T T G G	1.00 2.00 2.00 1.00 1.00 1.00 1.00 0.00 0	6.00 6.00 3.00 6.00 1.50 1.00 1.50 0.00	3.00 4.00 3.00 3.00 1.50 1.00 0.50-2.00 0.25-3.00	\$5 \$25 \$75 \$300
Course No.       FOR     120       FOR     123       FOR     150       FOR     211       FOR     226 A       FOR     102       FOR     200       NRM     269		Photo Interpretation Forest Measurements Natural Resources Prescribed Burns Timber Harvesting Production Analysis A Focus on Forestry III Focus on Forestry IV Natural Resource Exposition II (Optional)	T T T T G G	1.00 2.00 2.00 1.00 1.00 1.00 1.00 0.00	6.00 6.00 3.00 6.00 1.50 1.00 1.50	3.00 4.00 3.00 3.00 1.50 1.00 1.00 0.50-2.00	\$5 \$25 \$75 \$300
Course No.  FOR 120  FOR 123  FOR 150  FOR 211  FOR 226 A  FOR 102  FOR 200  NRM 269  FOR •••  Fifth Quarter		Photo Interpretation Forest Measurements Natural Resources Prescribed Burns Timber Harvesting Production Analysis A Focus on Forestry III Focus on Forestry IV Natural Resource Exposition II (Optional) Forestry Elective (Optional)	T T T T G G	1.00 2.00 2.00 1.00 1.00 1.00 0.00 0.00	6.00 6.00 3.00 6.00 1.50 1.00 1.50 0.00 24.50-26.00	3.00 4.00 3.00 3.00 1.50 1.00 1.00 0.50-2.00 0.25-3.00 16.50-21.50	\$5 \$25 \$75 \$300 \$10 \$10
Course No.  FOR 120  FOR 123  FOR 150  FOR 211  FOR 226 A  FOR 102  FOR 200  NRM 269  FOR •••  Fifth Quarter  Course No.		Photo Interpretation Forest Measurements Natural Resources Prescribed Burns Timber Harvesting Production Analysis A Focus on Forestry III Focus on Forestry IV Natural Resource Exposition II (Optional) Forestry Elective (Optional)	T T T T G G G T T T	1.00 2.00 2.00 1.00 1.00 1.00 0.00 0.00	6.00 6.00 3.00 6.00 1.50 1.00 1.50 0.00 24.50-26.00	3.00 4.00 3.00 3.00 1.50 1.00 1.00 0.50-2.00 0.25-3.00 16.50-21.50	\$5 \$25 \$75 \$300 \$10 \$10
Course No. FOR 120 FOR 123 FOR 150 FOR 211 FOR 226 A FOR 102 FOR 200 NRM 269 FOR •••  Fifth Quarter Course No. FOR 210		Photo Interpretation Forest Measurements Natural Resources Prescribed Burns Timber Harvesting Production Analysis A Focus on Forestry III Focus on Forestry IV Natural Resource Exposition II (Optional) Forestry Elective (Optional)  Course Name Forest Mensuration	T T T T G G T T	1.00 2.00 2.00 1.00 1.00 1.00 0.00 0.00	6.00 6.00 3.00 6.00 1.50 1.00 1.50 0.00 24.50-26.00	3.00 4.00 3.00 3.00 1.50 1.00 1.00 0.50-2.00 0.25-3.00 16.50-21.50	\$5 \$25 \$75 \$300 \$10 \$10
Course No.  FOR 120  FOR 123  FOR 150  FOR 211  FOR 226 A  FOR 102  FOR 200  NRM 269  FOR •••  Fifth Quarter  Course No.		Photo Interpretation Forest Measurements Natural Resources Prescribed Burns Timber Harvesting Production Analysis A Focus on Forestry III Focus on Forestry IV Natural Resource Exposition II (Optional) Forestry Elective (Optional)  Course Name Forest Mensuration Production Analysis B	T T T T G G T T	1.00 2.00 2.00 1.00 1.00 1.00 0.00 0.00	6.00 6.00 3.00 6.00 1.50 1.00 1.50 0.00 24.50-26.00 Lab 6.00 1.50	3.00 4.00 3.00 3.00 1.50 1.00 0.50-2.00 0.25-3.00 16.50-21.50 Credit 4.00 1.50	\$5 \$25 \$75 \$300 \$10 \$10 \$15
Course No. FOR 120 FOR 123 FOR 150 FOR 211 FOR 226 A FOR 102 FOR 200 NRM 269 FOR •••  Fifth Quarter Course No. FOR 210 FOR 226B		Photo Interpretation Forest Measurements Natural Resources Prescribed Burns Timber Harvesting Production Analysis A Focus on Forestry III Focus on Forestry IV Natural Resource Exposition II (Optional) Forestry Elective (Optional)  Course Name Forest Mensuration Production Analysis B Focus on Forestry V Applied Silviculture	T T T T G G T T	1.00 2.00 2.00 1.00 1.00 1.00 0.00 0.00	6.00 6.00 3.00 6.00 1.50 1.00 1.50 0.00 24.50-26.00	3.00 4.00 3.00 3.00 1.50 1.00 1.00 0.50-2.00 0.25-3.00 16.50-21.50	\$5 \$25 \$75 \$300 \$10 \$10 \$15
Course No.  FOR 120  FOR 123  FOR 150  FOR 211  FOR 226 A  FOR 102  FOR 200  NRM 269  FOR •••  Fifth Quarter  Course No.  FOR 210  FOR 226B  FOR 201		Photo Interpretation Forest Measurements Natural Resources Prescribed Burns Timber Harvesting Production Analysis A Focus on Forestry III Focus on Forestry IV Natural Resource Exposition II (Optional) Forestry Elective (Optional)  Course Name Forest Mensuration Production Analysis B Focus on Forestry V	T T T T G G T T T	1.00 2.00 2.00 1.00 1.00 1.00 0.00 9.00 9.00 Class 2.00 1.00 1.00 2.00	6.00 6.00 3.00 6.00 1.50 1.00 1.50 0.00 24.50-26.00 Lab 6.00 1.50 1.00 6.00 6.00	3.00 4.00 3.00 3.00 1.50 1.00 1.00 0.50-2.00 0.25-3.00 16.50-21.50  Credit 4.00 1.50 1.00 4.00 3.00	\$5 \$25 \$75 \$300 \$10 \$10 \$15
Course No. FOR 120 FOR 123 FOR 150 FOR 211 FOR 226 A FOR 102 FOR 200 NRM 269 FOR •••  Fifth Quarter Course No. FOR 210 FOR 226B FOR 201 FOR 220		Photo Interpretation Forest Measurements Natural Resources Prescribed Burns Timber Harvesting Production Analysis A Focus on Forestry III Focus on Forestry IV Natural Resource Exposition II (Optional) Forestry Elective (Optional)  Course Name Forest Mensuration Production Analysis B Focus on Forestry V Applied Silviculture	T T T T T G G G T T T T T T T T T T T T	1.00 2.00 2.00 1.00 1.00 1.00 0.00 0.00	6.00 6.00 3.00 6.00 1.50 1.00 1.50 0.00 24.50-26.00 Lab 6.00 1.50 1.00 6.00	3.00 4.00 3.00 3.00 1.50 1.00 1.00 0.50-2.00 0.25-3.00 16.50-21.50 Credit 4.00 1.50 1.00 4.00	\$5 \$25 \$75 \$300 \$10 \$10 \$15 \$15
Course No. FOR 120 FOR 123 FOR 150 FOR 211 FOR 226 A FOR 102 FOR 200 NRM 269 FOR •••  Fifth Quarter Course No. FOR 210 FOR 226B FOR 201 FOR 220		Photo Interpretation Forest Measurements Natural Resources Prescribed Burns Timber Harvesting Production Analysis A Focus on Forestry III Focus on Forestry IV Natural Resource Exposition II (Optional) Forestry Elective (Optional)  Course Name Forest Mensuration Production Analysis B Focus on Forestry V Applied Silviculture Forestry Applications in GIS/GPS	T T T T T G G G T T T T T T T T T T T T	1.00 2.00 2.00 1.00 1.00 1.00 0.00 9.00 9.00 Class 2.00 1.00 1.00 2.00	6.00 6.00 3.00 6.00 1.50 1.00 1.50 0.00 24.50-26.00 Lab 6.00 1.50 1.00 6.00 6.00	3.00 4.00 3.00 3.00 1.50 1.00 1.00 0.50-2.00 0.25-3.00 16.50-21.50  Credit 4.00 1.50 1.00 4.00 3.00	\$5 \$25 \$75 \$300 \$10 \$10 \$15 \$15
Course No.  FOR 120  FOR 123  FOR 150  FOR 211  FOR 226 A  FOR 102  FOR 200  NRM 269  FOR •••  Fifth Quarter  Course No.  FOR 210  FOR 226B  FOR 201  FOR 250  Sixth Quarter  Course No.		Photo Interpretation Forest Measurements Natural Resources Prescribed Burns Timber Harvesting Production Analysis A Focus on Forestry III Focus on Forestry IV Natural Resource Exposition II (Optional) Forestry Elective (Optional)  Course Name Forest Mensuration Production Analysis B Focus on Forestry V Applied Silviculture Forestry Applications in GIS/GPS	TTTTTGGGTTTT	1.00 2.00 2.00 1.00 1.00 1.00 0.00 0.00	6.00 6.00 3.00 6.00 1.50 1.00 1.50 0.00 24.50-26.00 1.50 1.00 6.00 6.00 20.50	3.00 4.00 3.00 3.00 1.50 1.00 1.00 0.50-2.00 0.25-3.00 16.50-21.50  Credit 4.00 1.50 1.00 4.00 3.00 13.50	\$5 \$25 \$75 \$300 \$10 \$10 \$10 \$25 \$45
Course No. FOR 120 FOR 123 FOR 150 FOR 211 FOR 226 A FOR 102 FOR 200 NRM 269 FOR •••  Fifth Quarter Course No. FOR 210 FOR 226B FOR 201 FOR 220 FOR 250  Sixth Quarter Course No. FOR 113		Photo Interpretation Forest Measurements Natural Resources Prescribed Burns Timber Harvesting Production Analysis A Focus on Forestry III Focus on Forestry IV Natural Resource Exposition II (Optional) Forestry Elective (Optional)  Course Name Forest Mensuration Production Analysis B Focus on Forestry V Applied Silviculture Forestry Applications in GIS/GPS  Course Name Reforestation and Pesticides	T T T T G G G T T T G G G G G G G T	1.00 2.00 2.00 1.00 1.00 1.00 0.00 0.00	6.00 6.00 3.00 6.00 1.50 1.00 1.50 0.00 24.50-26.00 Lab 6.00 1.50 1.00 6.00 6.00 20.50	3.00 4.00 3.00 3.00 1.50 1.00 1.00 0.50-2.00 0.25-3.00 16.50-21.50  Credit 4.00 1.50 1.00 4.00 3.00 13.50  Credit 3.00	\$5 \$25 \$75 \$300 \$10 \$10 \$15 \$15 \$16 \$25 \$45
Course No. FOR 120 FOR 123 FOR 150 FOR 211 FOR 226 A FOR 102 FOR 200 NRM 269 FOR •••  Fifth Quarter Course No. FOR 210 FOR 226B FOR 201 FOR 220 FOR 250  Sixth Quarter Course No. FOR 113 FOR 113 FOR 131		Photo Interpretation Forest Measurements Natural Resources Prescribed Burns Timber Harvesting Production Analysis A Focus on Forestry III Focus on Forestry IV Natural Resource Exposition II (Optional) Forestry Elective (Optional)  Course Name Forest Mensuration Production Analysis B Focus on Forestry V Applied Silviculture Forestry Applications in GIS/GPS  Course Name Reforestation and Pesticides Forest Entomology and Pathology	T T T T T T G G T T T T G G G G G T T T T G G G G T T T T G G G T	1.00 2.00 1.00 1.00 1.00 1.00 0.00 9.00  Class 2.00 1.00 2.00 1.00 2.00 1.00 7.00  Class 1.00 3.00	6.00 6.00 3.00 6.00 1.50 1.00 1.50 0.00 24.50-26.00 1.50 1.00 6.00 6.00 20.50	3.00 4.00 3.00 3.00 1.50 1.00 1.00 0.50-2.00 0.25-3.00 16.50-21.50  Credit 4.00 1.50 1.00 4.00 3.00 13.50  Credit 3.00 4.00	\$5 \$25 \$75 \$300 \$10 \$10 \$10 \$25 \$45 \$45
Course No. FOR 120 FOR 123 FOR 150 FOR 211 FOR 226 A FOR 102 FOR 200 NRM 269 FOR •••  Fifth Quarter Course No. FOR 210 FOR 226B FOR 201 FOR 250  Sixth Quarter Course No. FOR 113 FOR 131 FOR 230		Photo Interpretation Forest Measurements Natural Resources Prescribed Burns Timber Harvesting Production Analysis A Focus on Forestry III Focus on Forestry IV Natural Resource Exposition II (Optional) Forestry Elective (Optional)  Course Name Forest Mensuration Production Analysis B Focus on Forestry V Applied Silviculture Forestry Applications in GIS/GPS  Course Name Reforestation and Pesticides Forest Entomology and Pathology Forest Management	TTTTTGGGTTT	1.00 2.00 2.00 1.00 1.00 1.00 1.00 0.00 9.00  Class 2.00 1.00 2.00 1.00 7.00  Class 1.00 3.00 2.00	6.00 6.00 3.00 6.00 1.50 1.00 1.50 0.00 24.50-26.00 1.50 1.00 6.00 20.50	3.00 4.00 3.00 3.00 1.50 1.00 1.00 0.50-2.00 0.25-3.00 16.50-21.50  Credit 4.00 1.50 1.00 4.00 3.00 13.50  Credit 3.00 4.00 4.00	\$5 \$25 \$75 \$300 \$10 \$10 \$15 \$15 \$16 \$25 \$45
Course No. FOR 120 FOR 123 FOR 150 FOR 211 FOR 226 A FOR 102 FOR 200 NRM 269 FOR •••  Fifth Quarter Course No. FOR 210 FOR 226 FOR 201 FOR 220 FOR 250  Sixth Quarter Course No. FOR 113 FOR 131 FOR 230 FOR 296	P	Photo Interpretation Forest Measurements Natural Resources Prescribed Burns Timber Harvesting Production Analysis A Focus on Forestry III Focus on Forestry IV Natural Resource Exposition II (Optional) Forestry Elective (Optional)  Course Name Forest Mensuration Production Analysis B Focus on Forestry V Applied Silviculture Forestry Applications in GIS/GPS  Course Name Reforestation and Pesticides Forest Entomology and Pathology Forest Management Forestry Practicum	Type Type T T G G G T T T T T T T T T T T T T T	1.00 2.00 2.00 1.00 1.00 1.00 1.00 0.00 9.00  Class 2.00 1.00 2.00 1.00 7.00  Class 1.00 3.00 2.00 1.00	6.00 6.00 3.00 6.00 1.50 1.00 1.50 0.00 24.50-26.00 1.50 1.00 6.00 20.50	3.00 4.00 3.00 3.00 1.50 1.00 1.00 0.50-2.00 0.25-3.00 16.50-21.50  Credit 4.00 1.50 1.00 4.00 3.00 13.50  Credit 3.00 4.00 4.00 2.00	\$5 \$25 \$75 \$300 \$10 \$10 \$10 \$15 \$15 \$25 \$45 \$45
Course No. FOR 120 FOR 123 FOR 150 FOR 211 FOR 226 A FOR 102 FOR 200 NRM 269 FOR •••  Fifth Quarter Course No. FOR 210 FOR 226B FOR 201 FOR 250  Sixth Quarter Course No. FOR 113 FOR 131 FOR 230	P	Photo Interpretation Forest Measurements Natural Resources Prescribed Burns Timber Harvesting Production Analysis A Focus on Forestry III Focus on Forestry IV Natural Resource Exposition II (Optional) Forestry Elective (Optional)  Course Name Forest Mensuration Production Analysis B Focus on Forestry V Applied Silviculture Forestry Applications in GIS/GPS  Course Name Reforestation and Pesticides Forest Entomology and Pathology Forest Management	TTTTTGGGTTT	1.00 2.00 2.00 1.00 1.00 1.00 1.00 0.00 9.00  Class 2.00 1.00 2.00 1.00 7.00  Class 1.00 3.00 2.00	6.00 6.00 3.00 6.00 1.50 1.00 1.50 0.00 24.50-26.00 1.50 1.00 6.00 20.50	3.00 4.00 3.00 3.00 1.50 1.00 1.00 0.50-2.00 0.25-3.00 16.50-21.50  Credit 4.00 1.50 1.00 4.00 3.00 13.50  Credit 3.00 4.00 4.00 4.00 3.00 4.00 4.00 3.00 4.00 4	\$5 \$25 \$75 \$300 \$10 \$10 \$10 \$15 \$15 \$45 \$45 \$25 \$45
Course No. FOR 120 FOR 123 FOR 150 FOR 211 FOR 226 A FOR 102 FOR 200 NRM 269 FOR •••  Fifth Quarter Course No. FOR 210 FOR 226B FOR 201 FOR 220 FOR 250  Sixth Quarter Course No. FOR 113 FOR 131 FOR 131 FOR 230 FOR 296 COMM 225	P	Photo Interpretation Forest Measurements Natural Resources Prescribed Burns Timber Harvesting Production Analysis A Focus on Forestry III Focus on Forestry IV Natural Resource Exposition II (Optional) Forestry Elective (Optional)  Course Name Forest Mensuration Production Analysis B Focus on Forestry V Applied Silviculture Forestry Applications in GIS/GPS  Course Name Reforestation and Pesticides Forest Entomology and Pathology Forest Management Forestry Practicum Technical Writing	TTTTTGGGGTTTTGGGGGGGGGGGGGGGGGGGGGGGGG	1.00 2.00 1.00 1.00 1.00 1.00 0.00 9.00   Class 2.00 1.00 2.00 1.00 2.00 1.00 7.00  Class 1.00 3.00 2.00 3.00 3.00	6.00 6.00 3.00 6.00 1.50 1.00 1.50 24.50-26.00 24.50-26.00 1.50 1.00 6.00 20.50 Lab 6.00 3.00 6.00 3.00 6.00 7.00	3.00 4.00 3.00 3.00 1.50 1.00 1.00 0.50-2.00 0.25-3.00 16.50-21.50  Credit 4.00 1.50 1.00 4.00 3.00 13.50  Credit 3.00 4.00 4.00 2.00	\$5 \$25 \$75 \$300 \$10 \$10 \$10 \$15 \$15 \$25 \$45 \$45
Course No. FOR 120 FOR 123 FOR 150 FOR 211 FOR 226 A FOR 102 FOR 200 NRM 269 FOR •••  Fifth Quarter Course No. FOR 210 FOR 226B FOR 201 FOR 220 FOR 250  Sixth Quarter Course No. FOR 113 FOR 131 FOR 230 FOR 296 COMM 225 FOR 202	P	Photo Interpretation Forest Measurements Natural Resources Prescribed Burns Timber Harvesting Production Analysis A Focus on Forestry III Focus on Forestry IV Natural Resource Exposition II (Optional) Forestry Elective (Optional)  Course Name Forest Mensuration Production Analysis B Focus on Forestry V Applied Silviculture Forestry Applications in GIS/GPS  Course Name Reforestation and Pesticides Forest Entomology and Pathology Forest Management Forestry Practicum Technical Writing Focus on Forestry VI	TTTTTGGGGTTTTGGGGGGGGGGGGGGGGGGGGGGGGG	1.00 2.00 1.00 1.00 1.00 1.00 0.00 9.00  Class 2.00 1.00 2.00 1.00 2.00 1.00 2.00 1.00 3.00 2.00 1.00 3.00 2.00 1.00	6.00 6.00 3.00 6.00 1.50 1.00 1.50 0.00 24.50-26.00 1.50 1.00 6.00 1.50 1.00 6.00 20.50	3.00 4.00 3.00 3.00 1.50 1.00 1.00 0.50-2.00 0.25-3.00 16.50-21.50  Credit 4.00 1.50 1.00 4.00 3.00 13.50  Credit 3.00 4.00 4.00 2.00 3.00 1.00	\$5 \$25 \$75 \$300 \$10 \$10 \$10 \$15 \$15 \$45 \$45 \$25 \$45
Course No. FOR 120 FOR 123 FOR 150 FOR 211 FOR 226 A FOR 102 FOR 200 NRM 269 FOR •••  Fifth Quarter Course No. FOR 210 FOR 226B FOR 201 FOR 220 FOR 250  Sixth Quarter Course No. FOR 113 FOR 131 FOR 131 FOR 230 FOR 296 COMM 225	P	Photo Interpretation Forest Measurements Natural Resources Prescribed Burns Timber Harvesting Production Analysis A Focus on Forestry III Focus on Forestry IV Natural Resource Exposition II (Optional) Forestry Elective (Optional)  Course Name Forest Mensuration Production Analysis B Focus on Forestry V Applied Silviculture Forestry Applications in GIS/GPS  Course Name Reforestation and Pesticides Forest Entomology and Pathology Forest Management Forestry Practicum Technical Writing	TTTTTGGGGTTTTGGGGGGGGGGGGGGGGGGGGGGGGG	1.00 2.00 1.00 1.00 1.00 1.00 0.00 9.00  Class 2.00 1.00 2.00 1.00 2.00 1.00 2.00 1.00 3.00 2.00 1.00 3.00 2.00 1.00	6.00 6.00 3.00 6.00 1.50 1.00 1.50 0.00 24.50-26.00 1.50 1.00 6.00 1.50 1.00 6.00 20.50	3.00 4.00 3.00 3.00 1.50 1.00 1.00 0.50-2.00 0.25-3.00 16.50-21.50  Credit 4.00 1.50 1.00 4.00 3.00 13.50  Credit 3.00 4.00 4.00 2.00 3.00 1.00	\$5 \$25 \$75 \$300 \$10 \$10 \$10 \$15 \$15 \$45 \$45 \$25 \$45
Course No. FOR 120 FOR 123 FOR 150 FOR 211 FOR 226 A FOR 102 FOR 200 NRM 269 FOR •••  Fifth Quarter Course No. FOR 210 FOR 220 FOR 250  Sixth Quarter Course No. FOR 113 FOR 131 FOR 131 FOR 230 FOR 296 COMM 225 FOR 202	P	Photo Interpretation Forest Measurements Natural Resources Prescribed Burns Timber Harvesting Production Analysis A Focus on Forestry III Focus on Forestry IV Natural Resource Exposition II (Optional) Forestry Elective (Optional)  Course Name Forest Mensuration Production Analysis B Focus on Forestry V Applied Silviculture Forestry Applications in GIS/GPS  Course Name Reforestation and Pesticides Forest Entomology and Pathology Forest Management Forestry Practicum Technical Writing Focus on Forestry VI  48.50-53.50	TTTTTGGGGTTTTGGGGGGGGGGGGGGGGGGGGGGGGG	1.00 2.00 1.00 1.00 1.00 1.00 0.00 9.00  Class 2.00 1.00 2.00 1.00 2.00 1.00 2.00 1.00 3.00 2.00 1.00 3.00 2.00 1.00	6.00 6.00 3.00 6.00 1.50 1.00 1.50 0.00 24.50-26.00 1.50 1.00 6.00 1.50 1.00 6.00 20.50	3.00 4.00 3.00 3.00 1.50 1.00 1.00 0.50-2.00 0.25-3.00 16.50-21.50  Credit 4.00 1.50 1.00 4.00 3.00 13.50  Credit 3.00 4.00 4.00 2.00 3.00 1.00	\$5 \$25 \$75 \$300 \$10 \$10 \$10 \$15 \$15 \$45 \$45 \$25 \$45

Forest Management Notes: To complete graduation requirements, students must enroll in FOR 296, Forestry Practicum/Seminar (2 credits) at the beginning of any quarter after the second quarter of the Forestry Program.

Students must complete COMM 122 (Communications II) before registering for fourth quarter technical courses.

## Natural and Historical Interpretation

For students entering June, 2002 through May, 2003

First Quarter							
Course No.		Course Name	Type	Class	Lab	Credit	Course Fee
BIOS 109		Dendrology	T	2.00	3.00	3.00	\$35
INTP 100		Introduction to Interpretation	T	0.00	6.00	2.00	\$20
NRM 120		Woodshop	T	0.00	3.00	1.00	\$60
BIOS 170		Zoology	G	2.00	3.00	3.00	\$40
ENGL 151		Freshman Composition	G	5.00	0.00	5.00	\$20
MICS 121A	Р	Microsoft Office - Word Processing	G	1.00	1.00	1.00	\$15
NRM 169		Natural Resources Exposition I (Optional)	T	0.00	1.50	0.50	\$12
INTP •••		Interpretive Elective (Required)	T	0.00	0.00	3.00	<b>*</b> · <b>-</b>
				10.00	16.00-17.50	18.00-18.50	
Second Quarter							
Course No.		Course Name	Type	Class	<u>Lab</u>	Credit	Course Fee
INTP 115		Interpretive Methods	T	2.00	3.00	3.00	\$25
INTP 116		Interpretive Guide Seminar	T	1.00	0.00	1.00	
NRM 222		Recreation Area Maintenance	T	0.00	4.00	2.00	\$65
BIOS 120		Botany	G	2.00	3.00	3.00	\$40
COMM 124	P	Communications IV	G	3.00	0.00	3.00	\$20
EM 129		First Responder	G	1.00	3.00	2.00	\$50
INTP 114		Interpretive Employment Seminar	G	1.00	0.00	1.00	
PSYC 115		Educational Psychology	G	3.00	0.00	3.00	\$7
				13.00	13.00	18.00	
Third Quarter							
Course No.		Course Name	Type	Class	<u>Lab</u>	<u>Credit</u>	Course Fee
INTP 118		Environmental Education Techniques	T	3.00	3.00	4.00	
NRM 113		Watercraft Operation and Maintenance	Ţ	0.00	4.00	2.00	\$75
WLM 156		Wildlife Investigative Techniques I	T	2.00	3.00	3.00	\$35
BIOS 132		Field Biology	G	2.00	3.00	3.00	\$25
BIOS 271		Ornithology	G	2.00	3.00	3.00	\$10
MATH 108N		Introduction to Algebra for Natural Resources	G	3.00	1.00	3.00	\$16
				12.00	17.00	18.00	
Summer Quarter		Cauraa Nama	<b>T</b>	01		0 "	
Course No.		Course Name	<u>Type</u>	Class	Lab	Credit	Course Fee
INTP 294		Interpretive Cooperative Work Experience	T	2.00	40.00	6.00	
INTP 296		Or Interpretive Practicum	T	1.00	7.00	2.00	
11117 256		Interpretive Practicum	ı	<u>1.00</u> 1.00-2.00	7.00	2.00	
				1.00-2.00	7.00-40.00	2.00-7.00	
Fourth Quarter							
Fourth Quarter		Course Name	Tyne	Class	Lah		Course Eee
Course No.		Course Name	<u>Type</u>	Class	<u>Lab</u>	<u>Credit</u>	Course Fee
Course No. INTP 109		Night Interpretation	T	1.00	3.00	<u>Credit</u> 2.00	Course Fee
Course No. INTP 109 INTP 210		Night Interpretation Recreation Programming	T	1.00 2.00	3.00 1.00	<u>Credit</u> 2.00 2.00	
<u>Course No.</u> INTP 109 INTP 210 INTP 215		Night Interpretation Recreation Programming Historical Interpretation Techniques	T T T	1.00 2.00 1.00	3.00 1.00 3.00	<u>Credit</u> 2.00 2.00 2.00	Course Fee
Course No. INTP 109 INTP 210 INTP 215 NRM 134		Night Interpretation Recreation Programming Historical Interpretation Techniques Environmental Issues	T T T	1.00 2.00 1.00 2.00	3.00 1.00 3.00 3.00	<u>Credit</u> 2.00 2.00 2.00 3.00	
Course No. INTP 109 INTP 210 INTP 215 NRM 134 NRM 210		Night Interpretation Recreation Programming Historical Interpretation Techniques Environmental Issues Woodland Ecology	T T T T	1.00 2.00 1.00 2.00 2.00	3.00 1.00 3.00 3.00 3.00	Credit 2.00 2.00 2.00 3.00 3.00	\$60
Course No. INTP 109 INTP 210 INTP 215 NRM 134		Night Interpretation Recreation Programming Historical Interpretation Techniques Environmental Issues Woodland Ecology Introduction to Forestry	T T T	1.00 2.00 1.00 2.00	3.00 1.00 3.00 3.00	<u>Credit</u> 2.00 2.00 2.00 3.00	
Course No.       INTP     109       INTP     210       INTP     215       NRM     134       NRM     210       FOR     222		Night Interpretation Recreation Programming Historical Interpretation Techniques Environmental Issues Woodland Ecology Introduction to Forestry or	T T T T T	1.00 2.00 1.00 2.00 2.00 2.00	3.00 1.00 3.00 3.00 3.00 3.00 3.00	Credit 2.00 2.00 2.00 3.00 3.00 3.00	\$60 \$50
Course No.       INTP     109       INTP     210       INTP     215       NRM     134       NRM     210       FOR     222		Night Interpretation Recreation Programming Historical Interpretation Techniques Environmental Issues Woodland Ecology Introduction to Forestry or Wildlife Management I	T T T T T	1.00 2.00 1.00 2.00 2.00 2.00 2.00	3.00 1.00 3.00 3.00 3.00 3.00 3.00	Credit 2.00 2.00 2.00 3.00 3.00 3.00 3.00	\$60
Course No. INTP 109 INTP 210 INTP 215 NRM 134 NRM 210 FOR 222 WLM 215		Night Interpretation Recreation Programming Historical Interpretation Techniques Environmental Issues Woodland Ecology Introduction to Forestry or Wildlife Management I Natural Resources Exposition II (Optional)	T T T T T	1.00 2.00 1.00 2.00 2.00 2.00 2.00 2.00	3.00 1.00 3.00 3.00 3.00 3.00 3.00 3.00	Credit 2.00 2.00 2.00 3.00 3.00 3.00 3.00 0.50-2.00	\$60 \$50
Course No. INTP 109 INTP 210 INTP 215 NRM 134 NRM 210 FOR 222 WLM 215 NRM 269		Night Interpretation Recreation Programming Historical Interpretation Techniques Environmental Issues Woodland Ecology Introduction to Forestry or Wildlife Management I	T T T T T	1.00 2.00 1.00 2.00 2.00 2.00 2.00 2.00	3.00 1.00 3.00 3.00 3.00 3.00 3.00 1.50 0.00	Credit 2.00 2.00 2.00 3.00 3.00 3.00 3.00 0.50-2.00 3.00	\$60 \$50
Course No. INTP 109 INTP 210 INTP 215 NRM 134 NRM 210 FOR 222 WLM 215 NRM 269		Night Interpretation Recreation Programming Historical Interpretation Techniques Environmental Issues Woodland Ecology Introduction to Forestry or Wildlife Management I Natural Resources Exposition II (Optional)	T T T T T	1.00 2.00 1.00 2.00 2.00 2.00 2.00 2.00	3.00 1.00 3.00 3.00 3.00 3.00 3.00 3.00	Credit 2.00 2.00 2.00 3.00 3.00 3.00 3.00 0.50-2.00	\$60 \$50
Course No.  INTP 109  INTP 210  INTP 215  NRM 134  NRM 210  FOR 222  WLM 215  NRM 269  Fifth Quarter  Course No.		Night Interpretation Recreation Programming Historical Interpretation Techniques Environmental Issues Woodland Ecology Introduction to Forestry or Wildlife Management I Natural Resources Exposition II (Optional) General Elective (Required)	T T T T T T	1.00 2.00 1.00 2.00 2.00 2.00 2.00 2.00	3.00 1.00 3.00 3.00 3.00 3.00 3.00 1.50 0.00	Credit 2.00 2.00 2.00 3.00 3.00 3.00 3.00 0.50-2.00 3.00	\$60 \$50
Course No.  INTP 109  INTP 210  INTP 215  NRM 134  NRM 210  FOR 222  WLM 215  NRM 269  Fifth Quarter		Night Interpretation Recreation Programming Historical Interpretation Techniques Environmental Issues Woodland Ecology Introduction to Forestry or Wildlife Management I Natural Resources Exposition II (Optional) General Elective (Required)	T T T T T	1.00 2.00 1.00 2.00 2.00 2.00 2.00 2.00	3.00 1.00 3.00 3.00 3.00 3.00 3.00 1.50 0.00 16.00-17.50	Credit 2.00 2.00 2.00 3.00 3.00 3.00 3.00 0.50-2.00 3.00 18.00-20.00	\$60 \$50 \$10
Course No.  INTP 109  INTP 210  INTP 215  NRM 134  NRM 210  FOR 222  WLM 215  NRM 269  Fifth Quarter  Course No.  INTP 220  INTP 220  INTP 225		Night Interpretation Recreation Programming Historical Interpretation Techniques Environmental Issues Woodland Ecology Introduction to Forestry or Wildlife Management I Natural Resources Exposition II (Optional) General Elective (Required)  Course Name Historical Perspectives Development and Design of Outdoor Study Sites	T T T T T T	1.00 2.00 1.00 2.00 2.00 2.00 2.00 2.00	3.00 1.00 3.00 3.00 3.00 3.00 3.00 1.50 0.00 16.00-17.50	Credit 2.00 2.00 2.00 3.00 3.00 3.00 3.00 0.50-2.00 3.00 18.00-20.00	\$60 \$50 \$10
Course No.  INTP 109  INTP 210  INTP 215  NRM 134  NRM 210  FOR 222  WLM 215  NRM 269  Fifth Quarter  Course No.  INTP 220		Night Interpretation Recreation Programming Historical Interpretation Techniques Environmental Issues Woodland Ecology Introduction to Forestry or Wildlife Management I Natural Resources Exposition II (Optional) General Elective (Required)  Course Name Historical Perspectives Development and Design of Outdoor Study Sites Nature Drawing I	T T T T T T G	1.00 2.00 1.00 2.00 2.00 2.00 2.00 2.00	3.00 1.00 3.00 3.00 3.00 3.00 3.00 1.50 0.00 16.00-17.50 Lab 3.00	Credit 2.00 2.00 2.00 3.00 3.00 3.00 3.00 0.50-2.00 3.00 18.00-20.00 Credit 2.00	\$60 \$50 \$10 Course Fee \$25
Course No.  INTP 109  INTP 210  INTP 215  NRM 134  NRM 210  FOR 222  WLM 215  NRM 269  Fifth Quarter  Course No.  INTP 220  INTP 220  INTP 254  NRM 125		Night Interpretation Recreation Programming Historical Interpretation Techniques Environmental Issues Woodland Ecology Introduction to Forestry or Wildlife Management I Natural Resources Exposition II (Optional) General Elective (Required)  Course Name Historical Perspectives Development and Design of Outdoor Study Sites Nature Drawing I Map Reading and Interpretation	T T T T T T T G G	1.00 2.00 1.00 2.00 2.00 2.00 2.00 0.00 3.00 13.00 Class 1.00 2.00	3.00 1.00 3.00 3.00 3.00 3.00 3.00 1.50 0.00 16.00-17.50 Lab 3.00 3.00	Credit 2.00 2.00 2.00 3.00 3.00 3.00 3.00 0.50-2.00 3.00 18.00-20.00 Credit 2.00 3.00	\$60 \$50 \$10 Course Fee \$25 \$35
Course No. INTP 109 INTP 210 INTP 215 NRM 134 NRM 210 FOR 222  WLM 215 NRM 269  Fifth Quarter Course No. INTP 220 INTP 225 INTP 254		Night Interpretation Recreation Programming Historical Interpretation Techniques Environmental Issues Woodland Ecology Introduction to Forestry or Wildlife Management I Natural Resources Exposition II (Optional) General Elective (Required)  Course Name Historical Perspectives Development and Design of Outdoor Study Sites Nature Drawing I	T T T T T T T T T T G G T T T T T T T T	1.00 2.00 1.00 2.00 2.00 2.00 2.00 0.00 3.00 13.00 Class 1.00 2.00 0.00	3.00 1.00 3.00 3.00 3.00 3.00 3.00 1.50 0.00 16.00-17.50 Lab 3.00 3.00 3.00	Credit 2.00 2.00 2.00 3.00 3.00 3.00 3.00 0.50-2.00 3.00 18.00-20.00 Credit 2.00 3.00 1.00	\$60 \$50 \$10 Course Fee \$25 \$35 \$50
Course No.  INTP 109  INTP 210  INTP 215  NRM 134  NRM 210  FOR 222  WLM 215  NRM 269  Fifth Quarter  Course No.  INTP 220  INTP 220  INTP 254  NRM 125		Night Interpretation Recreation Programming Historical Interpretation Techniques Environmental Issues Woodland Ecology Introduction to Forestry or Wildlife Management I Natural Resources Exposition II (Optional) General Elective (Required)  Course Name Historical Perspectives Development and Design of Outdoor Study Sites Nature Drawing I Map Reading and Interpretation	T T T T T T G G T T T T T T T T T T T T	1.00 2.00 1.00 2.00 2.00 2.00 2.00 0.00 3.00 13.00 Class 1.00 2.00 0.00 2.00	3.00 1.00 3.00 3.00 3.00 3.00 3.00 1.50 0.00 16.00-17.50 Lab 3.00 3.00 3.00 3.00	Credit 2.00 2.00 2.00 3.00 3.00 3.00 3.00 0.50-2.00 3.00 18.00-20.00  Credit 2.00 3.00 1.00 2.00	\$60 \$50 \$10 Course Fee \$25 \$35
Course No.  INTP 109  INTP 210  INTP 215  NRM 134  NRM 210  FOR 222  WLM 215  NRM 269  Fifth Quarter  Course No.  INTP 220  INTP 225  INTP 225  INTP 254  NRM 125  GEOL 102		Night Interpretation Recreation Programming Historical Interpretation Techniques Environmental Issues Woodland Ecology Introduction to Forestry or Wildlife Management I Natural Resources Exposition II (Optional) General Elective (Required)  Course Name Historical Perspectives Development and Design of Outdoor Study Sites Nature Drawing I Map Reading and Interpretation Environmental Geology	TTTTTTTGG	1.00 2.00 1.00 2.00 2.00 2.00 2.00 3.00 13.00 Class 1.00 2.00 0.00 2.00	3.00 1.00 3.00 3.00 3.00 3.00 3.00 1.50 0.00 16.00-17.50 Lab 3.00 3.00 3.00 2.00 6.00	Credit 2.00 2.00 2.00 3.00 3.00 3.00 3.00 0.50-2.00 3.00 18.00-20.00  Credit 2.00 3.00 1.00 2.00 5.00	\$60 \$50 \$10 Course Fee \$25 \$35 \$50 \$25
Course No. INTP 109 INTP 210 INTP 215 NRM 134 NRM 210 FOR 222  WLM 215 NRM 269  Fifth Quarter Course No. INTP 220 INTP 225 INTP 254 NRM 125 GEOL 102 MICS 201		Night Interpretation Recreation Programming Historical Interpretation Techniques Environmental Issues Woodland Ecology Introduction to Forestry or Wildlife Management I Natural Resources Exposition II (Optional) General Elective (Required)  Course Name Historical Perspectives Development and Design of Outdoor Study Sites Nature Drawing I Map Reading and Interpretation Environmental Geology Desktop Publishing	TTTTTTTGGGGG	1.00 2.00 1.00 2.00 2.00 2.00 2.00 3.00 13.00 Class 1.00 2.00 0.00 2.00 3.00 2.00	3.00 1.00 3.00 3.00 3.00 3.00 3.00 1.50 0.00 16.00-17.50 Lab 3.00 3.00 3.00 2.00 6.00 2.00	Credit 2.00 2.00 2.00 3.00 3.00 3.00 3.00 3.00	\$60 \$50 \$10 Course Fee \$25 \$35 \$50 \$25
Course No. INTP 109 INTP 210 INTP 215 NRM 134 NRM 210 FOR 222  WLM 215 NRM 269  Fifth Quarter Course No. INTP 225 INTP 254 NRM 125 GEOL 102 MICS 201  Sixth Quarter		Night Interpretation Recreation Programming Historical Interpretation Techniques Environmental Issues Woodland Ecology Introduction to Forestry or Wildlife Management I Natural Resources Exposition II (Optional) General Elective (Required)  Course Name Historical Perspectives Development and Design of Outdoor Study Sites Nature Drawing I Map Reading and Interpretation Environmental Geology Desktop Publishing General Elective (Required)	TTTTTTTTTGGGGGGG	1.00 2.00 1.00 2.00 2.00 2.00 2.00 3.00 13.00 2.00 0.00 2.00 3.00 2.00 3.00 2.00 3.00 2.00 3.00	3.00 1.00 3.00 3.00 3.00 3.00 3.00 1.50 0.00 16.00-17.50 Lab 3.00 3.00 3.00 2.00 6.00 2.00 0.00	Credit 2.00 2.00 3.00 3.00 3.00 3.00 3.00 0.50-2.00 3.00 18.00-20.00  Credit 2.00 3.00 1.00 2.00 5.00 2.00 3.00 18.00	\$60 \$50 \$10 Course Fee \$25 \$35 \$50 \$25 \$30
Course No.  INTP 109  INTP 210  INTP 215  NRM 134  NRM 210  FOR 222  WLM 215  NRM 269  Fifth Quarter  Course No.  INTP 225  INTP 225  INTP 254  NRM 125  GEOL 102  MICS 201  Sixth Quarter  Course No.		Night Interpretation Recreation Programming Historical Interpretation Techniques Environmental Issues Woodland Ecology Introduction to Forestry or Wildlife Management I Natural Resources Exposition II (Optional) General Elective (Required)  Course Name Historical Perspectives Development and Design of Outdoor Study Sites Nature Drawing I Map Reading and Interpretation Environmental Geology Desktop Publishing General Elective (Required)  Course Name	TTTTTTTTGGGGGGG	1.00 2.00 1.00 2.00 2.00 2.00 2.00 2.00	3.00 1.00 3.00 3.00 3.00 3.00 3.00 1.50 0.00 16.00-17.50  Lab 3.00 3.00 2.00 6.00 2.00 0.00 19.00	Credit 2.00 2.00 2.00 3.00 3.00 3.00 3.00 0.50-2.00 3.00 18.00-20.00  Credit 2.00 3.00 1.00 2.00 5.00 2.00 3.00 18.00 Credit	\$60 \$50 \$10 Course Fee \$25 \$35 \$50 \$25 \$30
Course No.  INTP 109  INTP 210  INTP 215  NRM 134  NRM 210  FOR 222  WLM 215  NRM 269  Fifth Quarter  Course No.  INTP 220  INTP 225  INTP 225  INTP 254  NRM 125  GEOL 102  MICS 201  Sixth Quarter  Course No.  INTP 230		Night Interpretation Recreation Programming Historical Interpretation Techniques Environmental Issues Woodland Ecology Introduction to Forestry or Wildlife Management I Natural Resources Exposition II (Optional) General Elective (Required)  Course Name Historical Perspectives Development and Design of Outdoor Study Sites Nature Drawing I Map Reading and Interpretation Environmental Geology Desktop Publishing General Elective (Required)  Course Name Self Guided Interpretation and Exhibit Design	TTTTTTTGGGGGGG	1.00 2.00 1.00 2.00 2.00 2.00 2.00 2.00	3.00 1.00 3.00 3.00 3.00 3.00 3.00 3.00	Credit 2.00 2.00 2.00 3.00 3.00 3.00 3.00 0.50-2.00 3.00 18.00-20.00  Credit 2.00 2.00 5.00 2.00 3.00 18.00 Credit 3.00	\$60 \$50 \$10 Course Fee \$25 \$35 \$50 \$25 \$30
Course No.  INTP 109  INTP 210  INTP 215  NRM 210  FOR 222  WLM 215  NRM 269  Fifth Quarter  Course No.  INTP 225  INTP 225  INTP 225  INTP 225  INTP 254  NRM 125  GEOL 102  MICS 201  Sixth Quarter  Course No.  INTP 230  INTP 230  INTP 240		Night Interpretation Recreation Programming Historical Interpretation Techniques Environmental Issues Woodland Ecology Introduction to Forestry or Wildlife Management I Natural Resources Exposition II (Optional) General Elective (Required)  Course Name Historical Perspectives Development and Design of Outdoor Study Sites Nature Drawing I Map Reading and Interpretation Environmental Geology Desktop Publishing General Elective (Required)  Course Name Self Guided Interpretation and Exhibit Design Nature Center and Museum Operations	TTTTTTTGGGGGGG	1.00 2.00 1.00 2.00 2.00 2.00 2.00 2.00	3.00 1.00 3.00 3.00 3.00 3.00 3.00 3.00	Credit 2.00 2.00 3.00 3.00 3.00 3.00 3.00 0.50-2.00 3.00 18.00-20.00  Credit 2.00 3.00 1.00 2.00 5.00 2.00 3.00 18.00  Credit 3.00 2.00 3.00 18.00	\$60 \$50 \$10 Course Fee \$25 \$35 \$50 \$25 \$30 Course Fee \$15 \$35
Course No. INTP 109 INTP 210 INTP 215 NRM 134 NRM 210 FOR 222  WLM 215 NRM 269  Fifth Quarter Course No. INTP 220 INTP 225 INTP 254 NRM 125 GEOL 102 MICS 201  Sixth Quarter Course No. INTP 230 INTP 240 COMM 130		Night Interpretation Recreation Programming Historical Interpretation Techniques Environmental Issues Woodland Ecology Introduction to Forestry or Wildlife Management I Natural Resources Exposition II (Optional) General Elective (Required)  Course Name Historical Perspectives Development and Design of Outdoor Study Sites Nature Drawing I Map Reading and Interpretation Environmental Geology Desktop Publishing General Elective (Required)  Course Name Self Guided Interpretation and Exhibit Design Nature Center and Museum Operations Speech	TTTTTTTTGGGGGGTType	1.00 2.00 1.00 2.00 2.00 2.00 2.00 2.00	3.00 1.00 3.00 3.00 3.00 3.00 3.00 3.00	Credit 2.00 2.00 2.00 3.00 3.00 3.00 3.00 0.50-2.00 3.00 18.00-20.00  Credit 2.00 2.00 2.00 2.00 2.00 2.00 18.00 Credit 3.00 18.00 Credit 3.00 2.00 3.00 3.00	\$60 \$50 \$10 Course Fee \$25 \$35 \$50 \$25 \$30 Course Fee \$15 \$35 \$10
Course No. INTP 109 INTP 210 INTP 215 NRM 134 NRM 210 FOR 222  WLM 215 NRM 269  Fifth Quarter Course No. INTP 225 INTP 254 NRM 125 GEOL 102 MICS 201  Sixth Quarter Course No. INTP 230 INTP 240 COMM 130 MICS 121B		Night Interpretation Recreation Programming Historical Interpretation Techniques Environmental Issues Woodland Ecology Introduction to Forestry or Wildlife Management I Natural Resources Exposition II (Optional) General Elective (Required)  Course Name Historical Perspectives Development and Design of Outdoor Study Sites Nature Drawing I Map Reading and Interpretation Environmental Geology Desktop Publishing General Elective (Required)  Course Name Self Guided Interpretation and Exhibit Design Nature Center and Museum Operations Speech Microsoft Office - Database	TTTTTTTTTGGGGGGGGGGGGGGGGGGGGGGGGGGGGG	1.00 2.00 1.00 2.00 2.00 2.00 2.00 2.00	3.00 1.00 3.00 3.00 3.00 3.00 3.00 3.00	Credit 2.00 2.00 2.00 3.00 3.00 3.00 3.00 3.00	\$60 \$50 \$10 Course Fee \$25 \$35 \$50 \$25 \$30 Course Fee \$15 \$35
Course No. INTP 109 INTP 210 INTP 215 NRM 134 NRM 210 FOR 222  WLM 215 NRM 269  Fifth Quarter Course No. INTP 220 INTP 225 INTP 254 NRM 125 GEOL 102 MICS 201  Sixth Quarter Course No. INTP 230 INTP 240 COMM 130		Night Interpretation Recreation Programming Historical Interpretation Techniques Environmental Issues Woodland Ecology Introduction to Forestry or Wildlife Management I Natural Resources Exposition II (Optional) General Elective (Required)  Course Name Historical Perspectives Development and Design of Outdoor Study Sites Nature Drawing I Map Reading and Interpretation Environmental Geology Desktop Publishing General Elective (Required)  Course Name Self Guided Interpretation and Exhibit Design Nature Center and Museum Operations Speech Microsoft Office - Database Ichthyology	TTTTTTTTGGGGGGTType	1.00 2.00 1.00 2.00 2.00 2.00 2.00 2.00	3.00 1.00 3.00 3.00 3.00 3.00 3.00 3.00	Credit 2.00 2.00 2.00 3.00 3.00 3.00 3.00 0.50-2.00 3.00 18.00-20.00  Credit 2.00 2.00 2.00 2.00 2.00 2.00 18.00 Credit 3.00 18.00 Credit 3.00 2.00 3.00 3.00	\$60 \$50 \$10 Course Fee \$25 \$35 \$50 \$25 \$30 Course Fee \$15 \$35 \$10
Course No.  INTP 109  INTP 210  INTP 215  NRM 134  NRM 210  FOR 222  WLM 215  NRM 269  Fifth Quarter  Course No.  INTP 220  INTP 220  INTP 254  NRM 125  GEOL 102  MICS 201  Sixth Quarter  Course No.  INTP 230  INTP 240  COMM 130  MICS 121B  BIOS 268		Night Interpretation Recreation Programming Historical Interpretation Techniques Environmental Issues Woodland Ecology Introduction to Forestry or Wildlife Management I Natural Resources Exposition II (Optional) General Elective (Required)  Course Name Historical Perspectives Development and Design of Outdoor Study Sites Nature Drawing I Map Reading and Interpretation Environmental Geology Desktop Publishing General Elective (Required)  Course Name Self Guided Interpretation and Exhibit Design Nature Center and Museum Operations Speech Microsoft Office - Database Ichthyology or	TTTTTTTTGGGGGGTType	1.00 2.00 1.00 2.00 2.00 2.00 2.00 2.00	3.00 1.00 3.00 3.00 3.00 3.00 3.00 3.00	Credit 2.00 2.00 2.00 3.00 3.00 3.00 3.00 3.00	\$60 \$50 \$10 \$10 \$25 \$35 \$50 \$25 \$30 \$25 \$31 \$35 \$10 \$15
Course No.  INTP 109  INTP 210  INTP 215  NRM 134  NRM 210  FOR 222  WLM 215  NRM 269  Fifth Quarter  Course No.  INTP 220  INTP 225  INTP 225  INTP 254  NRM 125  GEOL 102  MICS 201  Sixth Quarter  Course No.  INTP 230  INTP 240  COMM 130  MICS 121B  BIOS 268  NRM 217		Night Interpretation Recreation Programming Historical Interpretation Techniques Environmental Issues Woodland Ecology Introduction to Forestry or Wildlife Management I Natural Resources Exposition II (Optional) General Elective (Required)  Course Name Historical Perspectives Development and Design of Outdoor Study Sites Nature Drawing I Map Reading and Interpretation Environmental Geology Desktop Publishing General Elective (Required)  Course Name Self Guided Interpretation and Exhibit Design Nature Center and Museum Operations Speech Microsoft Office - Database Ichthyology or Aquatic Ecology	TTTTTTTTGGGGGTTGGGTTTTTTTTTTTTTTTTTTTT	1.00 2.00 1.00 2.00 2.00 2.00 2.00 2.00	3.00 1.00 3.00 3.00 3.00 3.00 3.00 3.00	Credit 2.00 2.00 2.00 3.00 3.00 3.00 3.00 0.50-2.00 3.00 18.00-20.00  Credit 2.00 3.00 1.00 2.00 5.00 2.00 3.00 18.00  Credit 3.00 1.00 2.00 3.00 1.00 3.00 1.00 3.00 3.00 3.00 3	\$60 \$50 \$10 Course Fee \$25 \$35 \$50 \$25 \$30 Course Fee \$15 \$35 \$10
Course No.  INTP 109  INTP 210  INTP 215  NRM 134  NRM 210  FOR 222  WLM 215  NRM 269  Fifth Quarter  Course No.  INTP 220  INTP 220  INTP 254  NRM 125  GEOL 102  MICS 201  Sixth Quarter  Course No.  INTP 230  INTP 240  COMM 130  MICS 121B  BIOS 268		Night Interpretation Recreation Programming Historical Interpretation Techniques Environmental Issues Woodland Ecology Introduction to Forestry or Wildlife Management I Natural Resources Exposition II (Optional) General Elective (Required)  Course Name Historical Perspectives Development and Design of Outdoor Study Sites Nature Drawing I Map Reading and Interpretation Environmental Geology Desktop Publishing General Elective (Required)  Course Name Self Guided Interpretation and Exhibit Design Nature Center and Museum Operations Speech Microsoft Office - Database Ichthyology or	TTTTTTTTGGGGGGTType	1.00 2.00 1.00 2.00 2.00 2.00 2.00 2.00	3.00 1.00 3.00 3.00 3.00 3.00 3.00 3.00	Credit 2.00 2.00 2.00 3.00 3.00 3.00 3.00 3.00	\$60 \$50 \$10 \$10 \$25 \$35 \$50 \$25 \$30 \$25 \$30 \$25 \$31 \$35 \$10 \$15
Course No. INTP 109 INTP 210 INTP 215 NRM 134 NRM 210 FOR 222  WLM 215 NRM 269  Fifth Quarter Course No. INTP 225 INTP 254 NRM 125 GEOL 102 MICS 201  Sixth Quarter Course No. INTP 230 INTP 230 INTP 240 COMM 130 MICS 121B BIOS 268  NRM 217 INTP •••	c.	Night Interpretation Recreation Programming Historical Interpretation Techniques Environmental Issues Woodland Ecology Introduction to Forestry or Wildlife Management I Natural Resources Exposition II (Optional) General Elective (Required)  Course Name Historical Perspectives Development and Design of Outdoor Study Sites Nature Drawing I Map Reading and Interpretation Environmental Geology Desktop Publishing General Elective (Required)  Course Name Self Guided Interpretation and Exhibit Design Nature Center and Museum Operations Speech Microsoft Office - Database Ichthyology or Aquatic Ecology Interpretive Elective (Required)	TTTTTTTTGGGGGTTGGGTTTTTTTTTTTTTTTTTTTT	1.00 2.00 1.00 2.00 2.00 2.00 2.00 2.00	3.00 1.00 3.00 3.00 3.00 3.00 3.00 3.00	Credit 2.00 2.00 2.00 3.00 3.00 3.00 3.00 0.50-2.00 3.00 18.00-20.00  Credit 2.00 3.00 1.00 2.00 5.00 2.00 3.00 18.00  Credit 3.00 1.00 2.00 3.00 1.00 3.00 1.00 3.00 3.00 3.00 3	\$60 \$50 \$10 \$10 \$25 \$35 \$50 \$25 \$30 \$25 \$30 \$25 \$31 \$35 \$10 \$15
Course No. INTP 109 INTP 210 INTP 215 NRM 134 NRM 210 FOR 222  WLM 215 NRM 269  Fifth Quarter Course No. INTP 225 INTP 254 NRM 125 GEOL 102 MICS 201  Sixth Quarter Course No. INTP 230 INTP 240 COMM 130 MICS 121B BIOS 268  NRM 217 INTP •••  Technical Credit Hour	s	Night Interpretation Recreation Programming Historical Interpretation Techniques Environmental Issues Woodland Ecology Introduction to Forestry or Wildlife Management I Natural Resources Exposition II (Optional) General Elective (Required)  Course Name Historical Perspectives Development and Design of Outdoor Study Sites Nature Drawing I Map Reading and Interpretation Environmental Geology Desktop Publishing General Elective (Required)  Course Name Self Guided Interpretation and Exhibit Design Nature Center and Museum Operations Speech Microsoft Office - Database Ichthyology or Aquatic Ecology Interpretive Elective (Required)  61.00-68.50	TTTTTTTTGGGGGTTGGGTTTTTTTTTTTTTTTTTTTT	1.00 2.00 1.00 2.00 2.00 2.00 2.00 2.00	3.00 1.00 3.00 3.00 3.00 3.00 3.00 3.00	Credit 2.00 2.00 2.00 3.00 3.00 3.00 3.00 3.00	\$60 \$50 \$10 \$10 \$25 \$35 \$50 \$25 \$30 \$25 \$31 \$35 \$10 \$15
Course No. INTP 109 INTP 210 INTP 215 NRM 134 NRM 210 FOR 222  WLM 215 NRM 269  Fifth Quarter Course No. INTP 225 INTP 254 NRM 125 GEOL 102 MICS 201  Sixth Quarter Course No. INTP 230 INTP 230 INTP 240 COMM 130 MICS 121B BIOS 268  NRM 217 INTP •••	s	Night Interpretation Recreation Programming Historical Interpretation Techniques Environmental Issues Woodland Ecology Introduction to Forestry or Wildlife Management I Natural Resources Exposition II (Optional) General Elective (Required)  Course Name Historical Perspectives Development and Design of Outdoor Study Sites Nature Drawing I Map Reading and Interpretation Environmental Geology Desktop Publishing General Elective (Required)  Course Name Self Guided Interpretation and Exhibit Design Nature Center and Museum Operations Speech Microsoft Office - Database Ichthyology or Aquatic Ecology Interpretive Elective (Required)	TTTTTTTTGGGGGTTGGGTTTTTTTTTTTTTTTTTTTT	1.00 2.00 1.00 2.00 2.00 2.00 2.00 2.00	3.00 1.00 3.00 3.00 3.00 3.00 3.00 3.00	Credit 2.00 2.00 2.00 3.00 3.00 3.00 3.00 3.00	\$60 \$50 \$10 \$10 \$25 \$35 \$50 \$25 \$30 \$25 \$31 \$35 \$10 \$15

Natural and Historical Interpretation Notes: To complete graduation requirements, students must enroll in INTP 296, Interpretive Services Practicum (2 credits) or INTP 294, Interpretive Services Cooperative Work Experience (6 credits), the beginning of any quarter beginning with the third quarter.

## Natural Resource Management

For students entering June, 2002 through May, 2003

First Quar	rter							
Course No			Course Name	<u>Type</u>	Class	Lab	Credit	Course Fee
BIOS NRM	109		Dendrology	Ţ	2.00	3.00	3.00	\$35
BIOS	113 120		Watercraft Operation and Maintenance Botany	T G	0.00 2.00	4.00 3.00	2.00	\$75
COMM	122	Р	Communications II	G	3.00	0.00	3.00 3.00	\$40 \$20
MICS	121A		Microsoft Office - Word Processing	Ğ	1.00	1.00	1.00	\$15
NRM	169		Natural Resources Exposition I (Optional)	Ţ	0.00	1.50	0.50	•
NRM	•••		Recreation Elective - List A (Required)	T	0.00	0.00	3.00	
Second Q	uarter				8.00	11.00-12.50	15.00-15.50	
Course No			Course Name	Type	Class	Lab	Credit	Course Fee
NRM	121		Winter Dendrology	T	2.00	3.00	3.00	\$10
WLM BIOS	156 170		Wildlife Investigation Techniques I	T	2.00	3.00	3.00	\$35
COMM	123	Р	Zoology Communications III	G G	2.00 3.00	3.00 0.00	3.00 3.00	\$40
MATH	108N	,	Introduction to Algebra for Natural Resources	G	3.00	1.00	3.00	\$20 \$16
MICS	121B		Microsoft Office - Database	G	1.00	1.00	1.00	\$15
GEO	100		Introduction to GIS	T	1.00	3.00	2.00	\$55
GEO	102		or Introduction to GPS	Т	1.00	2.00	2.00	¢rr.
020	102		madaction to di 3	'	14.00	<u>3.00</u> 14.00	<u>2.00</u> 18.00	\$55
Third Qua						,	. 0.00	
Course No BIOS			Course Name	<u>Type</u>	Class	<u>Lab</u>	Credit	Course Fee
NRM	268 110		Ichthyology Chainsaw Operation	T T	2.00	3.00	3.00	¢or.
NRM	125		Map Reading and Interpretation	Ť	0.00 2.00	2.00 2.00	1.00 2.00	\$85
NRM	130		Recreation Area Equipment	Ť	0.00	2.00	1.00	\$65
NRM	134		Environmental Issues	Ť	2.00	3.00	3.00	\$03
BIOS	132		Field Biology	G	2.00	3.00	3.00	\$25
MICS	121C		Microsoft Office - Spreadsheet	G	1.00	1.00	1.00	\$15
GEO	100		Introduction to GIS or	T	1.00	3.00	2.00	\$55
GEO	102		Introduction to GPS	T	1.00	3.00	2.00	\$55
NRM	•••		General Recreation Elective-List A (Required)	G	0.00	0.00	2.00-3.00	
Summer C	Duarter				10.00	19.00	18.00-19.00	
Course No			Course Name	Type	Class	Lab	Credit	Course Fee
NRM	294		Natural Resource Mgt. Cooperative Work	T	2.00	40.00	2.00-6.00	COUISCICC
			Experience or					
NRM	296			Т	1.00	7.00	2.00-2.00	
			Natural Resource Management Practicum	T	1.00 1.00-2.00	7.00 7.00-40.00	2.00-2.00 2.00-7.00	
Fourth Qu	uarter		Natural Resource Management Practicum	_	1.00-2.00	7.00-40.00	2.00-7.00	
Fourth Qu Course No	uarter <u>).</u>		Natural Resource Management Practicum  Course Name	T Type	1.00-2.00 Class	7.00-40.00 <u>Lab</u>	2.00-7.00 Credit	Course Fee
Fourth Qu	uarter <u>D.</u> 222		Natural Resource Management Practicum  Course Name Introduction to Forestry	<u>Type</u> T	1.00-2.00 Class 2.00	7.00-40.00 <u>Lab</u> 3.00	2.00-7.00 <u>Credit</u> 3.00	Course Fee \$50
Fourth Qu Course No FOR	uarter <u>).</u>		Natural Resource Management Practicum  Course Name	_	1.00-2.00 Class	7.00-40.00 <u>Lab</u>	2.00-7.00 Credit	\$50
Fourth Qu Course No FOR NRM NRM WLM	uarter <u>D.</u> 222 210 217 215		Natural Resource Management Practicum  Course Name Introduction to Forestry Woodland Ecology Aquatic Ecology Wildlife Management I	<u>Type</u> T T T T	1.00-2.00 <u>Class</u> 2.00 2.00	7.00-40.00 <u>Lab</u> 3.00 3.00	2.00-7.00 <u>Credit</u> 3.00 3.00	
Fourth Qu Course No FOR NRM NRM WLM GEOL	uarter 2.22 210 217 215 105		Natural Resource Management Practicum  Course Name Introduction to Forestry Woodland Ecology Aquatic Ecology Wildlife Management I Soils	Type T T T T G	1.00-2.00 Class 2.00 2.00 2.00 2.00 2.00 2.00	7.00-40.00 <u>Lab</u> 3.00 3.00 3.00 3.00 3.00 3.00	2.00-7.00 <u>Credit</u> 3.00 3.00 3.00 3.00 3.00 3.00	\$50 \$25
Fourth Qu Course No FOR NRM NRM WLM GEOL NRM	222 210 217 215 105 269		Course Name Introduction to Forestry Woodland Ecology Aquatic Ecology Wildlife Management I Soils Natural Resources Exposition II (Optional)	Type T T T T G T	1.00-2.00 Class 2.00 2.00 2.00 2.00 2.00 2.00 0.00	7.00-40.00  Lab 3.00 3.00 3.00 3.00 3.00 1.50	2.00-7.00 Credit 3.00 3.00 3.00 3.00 3.00 3.00 0.50-2.00	\$50 \$25
Fourth Qu Course No FOR NRM NRM WLM GEOL	uarter 2.22 210 217 215 105		Natural Resource Management Practicum  Course Name Introduction to Forestry Woodland Ecology Aquatic Ecology Wildlife Management I Soils	Type T T T T G	1.00-2.00 Class 2.00 2.00 2.00 2.00 2.00 0.00 0.00	7.00-40.00  Lab 3.00 3.00 3.00 3.00 3.00 1.50 0.00	2.00-7.00 Credit 3.00 3.00 3.00 3.00 3.00 0.50-2.00 3.00	\$50 \$25
Fourth Qu Course No FOR NRM WLM GEOL NRM REC	222 210 217 215 105 269		Natural Resource Management Practicum  Course Name Introduction to Forestry Woodland Ecology Aquatic Ecology Wildlife Management I Soils Natural Resources Exposition II (Optional) Recreation Elective - List A (Required)	Type T T T T G T	1.00-2.00 Class 2.00 2.00 2.00 2.00 2.00 2.00 0.00	7.00-40.00  Lab 3.00 3.00 3.00 3.00 3.00 1.50	2.00-7.00 Credit 3.00 3.00 3.00 3.00 3.00 3.00 0.50-2.00	\$50 \$25
Fourth Qu Course No FOR NRM WLM GEOL NRM REC Fifth Qual Course No	222 210 217 215 105 269 •••		Course Name Introduction to Forestry Woodland Ecology Aquatic Ecology Wildlife Management I Soils Natural Resources Exposition II (Optional) Recreation Elective - List A (Required)	Type T T T T G T	1.00-2.00  Class 2.00 2.00 2.00 2.00 2.00 0.00 0.00 0.	7.00-40.00  Lab 3.00 3.00 3.00 3.00 3.00 1.50 0.00 15.00-16.50  Lab	2.00-7.00  Credit 3.00 3.00 3.00 3.00 3.00 3.00 0.50-2.00 3.00 18.00-20.00  Credit	\$50 \$25
Fourth Qu Course No FOR NRM NRM WLM GEOL NRM REC Fifth Qual Course No	222 210 217 215 105 269 •••		Course Name Introduction to Forestry Woodland Ecology Aquatic Ecology Wildlife Management I Soils Natural Resources Exposition II (Optional) Recreation Elective - List A (Required)  Course Name Interpretive Methods	Type T T T G T T	1.00-2.00  Class 2.00 2.00 2.00 2.00 2.00 0.00 0.00 0.	7.00-40.00  Lab 3.00 3.00 3.00 3.00 3.00 1.50 0.00 15.00-16.50  Lab 3.00	2.00-7.00  Credit 3.00 3.00 3.00 3.00 3.00 0.50-2.00 3.00 18.00-20.00  Credit 3.00	\$50 \$25 \$10 Course Fee \$25
Fourth Qu Course No FOR NRM WLM GEOL NRM REC Fifth Qual Course No INTP COMM	222 210 217 215 105 269 ••• rter 2. 115 135		Course Name Introduction to Forestry Woodland Ecology Aquatic Ecology Wildlife Management I Soils Natural Resources Exposition II (Optional) Recreation Elective - List A (Required)  Course Name Interpretive Methods Verbal Career Skills	Type T T T G T T T G T T G	1.00-2.00  Class 2.00 2.00 2.00 2.00 0.00 0.00 10.00  Class 2.00 3.00	7.00-40.00  Lab 3.00 3.00 3.00 3.00 1.50 0.00 15.00-16.50  Lab 3.00 0.00	2.00-7.00  Credit 3.00 3.00 3.00 3.00 3.00 0.50-2.00 3.00 18.00-20.00  Credit 3.00 3.00 3.00	\$50 \$25 \$10 Course Fee \$25 \$10
Fourth Qu Course No FOR NRM NRM WLM GEOL NRM REC Fifth Qual Course No	222 210 217 215 105 269 •••		Course Name Introduction to Forestry Woodland Ecology Aquatic Ecology Wildlife Management I Soils Natural Resources Exposition II (Optional) Recreation Elective - List A (Required)  Course Name Interpretive Methods	Type T T T G T T T T G G G G G	1.00-2.00  Class 2.00 2.00 2.00 2.00 0.00 10.00  Class 2.00 3.00 2.00 3.00 2.00	7.00-40.00  Lab 3.00 3.00 3.00 3.00 1.50 0.00 15.00-16.50  Lab 3.00 0.00 3.00	2.00-7.00  Credit 3.00 3.00 3.00 3.00 3.00 0.50-2.00 3.00 18.00-20.00  Credit 3.00 3.00 3.00 3.00	\$50 \$25 \$10 Course Fee \$25
Fourth Qu Course No FOR NRM NRM WLM GEOL NRM REC Fifth Qual Course No INTP COMM GEOL NRM SOCI	222 210 217 215 105 269 ••• rter 115 135 101		Course Name Introduction to Forestry Woodland Ecology Aquatic Ecology Wildlife Management I Soils Natural Resources Exposition II (Optional) Recreation Elective - List A (Required)  Course Name Interpretive Methods Verbal Career Skills Geology Recreation Employment Seminar Social Science Elective (Required)	Type T T G T T G G G G G G G G	1.00-2.00  Class 2.00 2.00 2.00 2.00 0.00 0.00 10.00  Class 2.00 3.00	7.00-40.00  Lab 3.00 3.00 3.00 3.00 1.50 0.00 15.00-16.50  Lab 3.00 0.00	2.00-7.00  Credit 3.00 3.00 3.00 3.00 3.00 0.50-2.00 3.00 18.00-20.00  Credit 3.00 3.00 3.00	\$50 \$25 \$10 Course Fee \$25 \$10
Fourth Qu Course No FOR NRM WLM GEOL NRM REC Fifth Qual Course No INTP COMM GEOL NRM	222 210 217 215 105 269 ••• rter 2 115 135 101 114		Course Name Introduction to Forestry Woodland Ecology Aquatic Ecology Wildlife Management I Soils Natural Resources Exposition II (Optional) Recreation Elective - List A (Required)  Course Name Interpretive Methods Verbal Career Skills Geology Recreation Employment Seminar	Type T T T T T T T T G G T T G G G G G	1.00-2.00  Class 2.00 2.00 2.00 2.00 0.00 0.00 0.00 10.00  Class 2.00 3.00 2.00 1.00 3.00 0.00	7.00-40.00  Lab 3.00 3.00 3.00 3.00 1.50 0.00 15.00-16.50  Lab 3.00 0.00 3.00 1.00 0.00	2.00-7.00  Credit 3.00 3.00 3.00 3.00 0.50-2.00 18.00-20.00  Credit 3.00 3.00 3.00 3.00 3.00 3.00 3.00 3.0	\$50 \$25 \$10 Course Fee \$25 \$10
Fourth Qu Course No FOR NRM WLM GEOL NRM REC Fifth Qual Course No INTP COMM GEOL NRM SOCI NRM	222 210 217 215 105 269 ••• rter 2. 115 135 101 114 •••		Course Name Introduction to Forestry Woodland Ecology Aquatic Ecology Wildlife Management I Soils Natural Resources Exposition II (Optional) Recreation Elective - List A (Required)  Course Name Interpretive Methods Verbal Career Skills Geology Recreation Employment Seminar Social Science Elective (Required)	Type T T G T T G G G G G G G G	1.00-2.00  Class 2.00 2.00 2.00 2.00 0.00 0.00 0.00 10.00  Class 2.00 3.00 2.00 1.00 3.00	7.00-40.00  Lab 3.00 3.00 3.00 3.00 3.00 1.50 0.00 15.00-16.50  Lab 3.00 0.00 3.00 1.00	2.00-7.00  Credit 3.00 3.00 3.00 3.00 0.50-2.00 3.00 18.00-20.00  Credit 3.00 3.00 3.00 3.00 3.00 3.00 3.00	\$50 \$25 \$10 Course Fee \$25 \$10
Fourth Qu Course No FOR NRM NRM WLM GEOL NRM REC Fifth Qual Course No INTP COMM GEOL NRM SOCI	222 210 217 215 105 269 ••• rter 115 135 101 114 •••		Course Name Introduction to Forestry Woodland Ecology Aquatic Ecology Wildlife Management I Soils Natural Resources Exposition II (Optional) Recreation Elective - List A (Required)  Course Name Interpretive Methods Verbal Career Skills Geology Recreation Employment Seminar Social Science Elective (Required) Recreation Elective - List A (Required) Recreation Elective - List A (Required)	Type T T G T T G G G G G G G G	1.00-2.00  Class 2.00 2.00 2.00 2.00 0.00 0.00 0.00 10.00  Class 2.00 3.00 2.00 1.00 3.00 0.00	7.00-40.00  Lab 3.00 3.00 3.00 3.00 1.50 0.00 15.00-16.50  Lab 3.00 0.00 3.00 1.00 0.00	2.00-7.00  Credit 3.00 3.00 3.00 3.00 0.50-2.00 18.00-20.00  Credit 3.00 3.00 3.00 3.00 3.00 3.00 3.00 3.0	\$50 \$25 \$10 Course Fee \$25 \$10
Fourth Qu Course No FOR NRM NRM WLM GEOL NRM REC Fifth Qual Course No INTP COMM GEOL NRM SOCI NRM Sixth Qual Course No	222 210 217 215 105 269 ••• rter 2. 115 135 101 114 •••		Course Name Introduction to Forestry Woodland Ecology Aquatic Ecology Wildlife Management I Soils Natural Resources Exposition II (Optional) Recreation Elective - List A (Required)  Course Name Interpretive Methods Verbal Career Skills Geology Recreation Employment Seminar Social Science Elective (Required) Recreation Elective - List A (Required) Recreation Elective - List A (Required) Recreation Elective - List A (Required)	Type T T G T T G G T T T G G T T T G G G G	1.00-2.00  Class 2.00 2.00 2.00 2.00 0.00 0.00 0.00 10.00  Class 2.00 1.00 3.00 0.00 11.00  Class 0.00 0.00	7.00-40.00  Lab 3.00 3.00 3.00 3.00 1.50 0.00 15.00-16.50  Lab 3.00 0.00 3.00 1.00 0.00 0.00 7.00  Lab 4.00	2.00-7.00  Credit 3.00 3.00 3.00 3.00 0.50-2.00 3.00 18.00-20.00  Credit 3.00 3.00 3.00 3.00 1.00 3.00 1.00 Credit 2.00	\$50 \$25 \$10 Course Fee \$25 \$10 \$25
Fourth Qu Course No FOR NRM NRM WLM GEOL NRM REC Fifth Quar Course No INTP COMM GEOL NRM SOCI NRM SOCI NRM Sixth Qua Course No NRM Sixth Qua Course No	222 210 217 215 105 269 ••• rter 2. 115 135 101 114 •••		Course Name Introduction to Forestry Woodland Ecology Aquatic Ecology Wildlife Management I Soils Natural Resources Exposition II (Optional) Recreation Elective - List A (Required)  Course Name Interpretive Methods Verbal Career Skills Geology Recreation Employment Seminar Social Science Elective (Required) Recreation Elective - List A (Required) Recreation Elective - List A (Required) Recreation Flective - List A (Required)	Type T T T G T T G G T T T G G G G G G G G	1.00-2.00  Class 2.00 2.00 2.00 2.00 0.00 0.00 10.00  Class 2.00 3.00 2.00 1.00  Class 0.00 11.00  Class 0.00 2.00	7.00-40.00  Lab 3.00 3.00 3.00 3.00 1.50 0.00 15.00-16.50  Lab 3.00 0.00 3.00 1.00 0.00 7.00  Lab 4.00 3.00	2.00-7.00  Credit 3.00 3.00 3.00 3.00 0.50-2.00 18.00-20.00  Credit 3.00 3.00 3.00 3.00 1.00 3.00 1.00 Credit 2.00 3.00 16.00  Credit 2.00 3.00	\$50 \$25 \$10 Course Fee \$25 \$10 \$25
Fourth Qu Course No FOR NRM NRM WLM GEOL NRM REC Fifth Qual Course No INTP COMM GEOL NRM SOCI NRM Sixth Qual Course No	222 210 217 215 105 269 ••• rter 2. 115 135 101 114 •••	Р	Course Name Introduction to Forestry Woodland Ecology Aquatic Ecology Wildlife Management I Soils Natural Resources Exposition II (Optional) Recreation Elective – List A (Required)  Course Name Interpretive Methods Verbal Career Skills Geology Recreation Employment Seminar Social Science Elective (Required) Recreation Elective – List A (Required)  Course Name Recreation Area Maintenance Ornithology Communications IV	Type T T G T T G G T T T G G T T T G G G G	1.00-2.00  Class 2.00 2.00 2.00 2.00 0.00 0.00 0.00 10.00  Class 2.00 1.00 3.00 0.00 11.00  Class 0.00 0.00	7.00-40.00  Lab 3.00 3.00 3.00 3.00 1.50 0.00 15.00-16.50  Lab 3.00 0.00 3.00 1.00 0.00 0.00 7.00  Lab 4.00	2.00-7.00  Credit 3.00 3.00 3.00 3.00 0.50-2.00 3.00 18.00-20.00  Credit 3.00 3.00 3.00 3.00 1.00 3.00 1.00 Credit 2.00	\$50 \$25 \$10 Course Fee \$25 \$10 \$25
Fourth Qu Course No FOR NRM NRM WLM GEOL NRM REC Fifth Quar Course No INTP COMM GEOL NRM SOCI NRM SOCI NRM Sixth Qua Course No NRM Sixth Qua Course No	222 210 217 215 105 269 ••• rter 2. 115 135 101 114 •••	P P	Course Name Introduction to Forestry Woodland Ecology Aquatic Ecology Wildlife Management I Soils Natural Resources Exposition II (Optional) Recreation Elective - List A (Required)  Course Name Interpretive Methods Verbal Career Skills Geology Recreation Employment Seminar Social Science Elective (Required) Recreation Elective - List A (Required) Recreation Elective - List A (Required) Recreation Flective - List A (Required)	Type Type Type Type Type G G G G G G G G G G G G G G G G G G G	1.00-2.00  Class 2.00 2.00 2.00 2.00 0.00 0.00 10.00  Class 2.00 3.00 2.00 1.00  Class 0.00 11.00  Class 0.00 2.00	7.00-40.00  Lab 3.00 3.00 3.00 3.00 1.50 0.00 15.00-16.50  Lab 3.00 0.00 3.00 1.00 0.00 7.00  Lab 4.00 3.00	2.00-7.00  Credit 3.00 3.00 3.00 3.00 0.50-2.00 3.00 18.00-20.00  Credit 3.00 3.00 1.00 3.00 1.00 3.00 16.00  Credit 2.00 3.00 3.00	\$50 \$25 \$10 Course Fee \$25 \$10 \$25 Course Fee \$65 \$10 \$20
Fourth Qu Course No FOR NRM NRM GEOL NRM REC Fifth Qual Course No INTP COMM GEOL NRM SOCI NRM SOCI NRM Sixth Qua Course No NRM BIOS COMM	222 210 217 215 105 269 •••  rter  115 135 101 114 •••  irter  222 271 124		Course Name Introduction to Forestry Woodland Ecology Aquatic Ecology Wildlife Management I Soils Natural Resources Exposition II (Optional) Recreation Elective - List A (Required)  Course Name Interpretive Methods Verbal Career Skills Geology Recreation Employment Seminar Social Science Elective (Required) Recreation Elective - List A (Required)  Course Name Recreation Employment Seminar Social Science Flective (Required) Recreation Elective - List A (Required)  Course Name Recreation Area Maintenance Ornithology Communications IV or Technical Writing First Responder	Type T T T G T T G G T T T G G G G G G G G	1.00-2.00  Class 2.00 2.00 2.00 2.00 0.00 0.00 10.00  Class 2.00 3.00 2.00 1.00 3.00 0.00 11.00  Class 0.00 3.00 3.00 3.00 3.00 3.00 3.00 3.	7.00-40.00  Lab 3.00 3.00 3.00 3.00 1.50 0.00 15.00-16.50  Lab 3.00 0.00 1.00 0.00 7.00  Lab 4.00 3.00 0.00	2.00-7.00  Credit 3.00 3.00 3.00 3.00 0.50-2.00 18.00-20.00  Credit 3.00 3.00 3.00 3.00 1.00 3.00 1.00 Credit 2.00 3.00 16.00  Credit 2.00 3.00	\$50 \$25 \$10 Course Fee \$25 \$10 \$25
Fourth Qu Course No FOR NRM NRM WLM GEOL NRM REC Fifth Qual Course No INTP COMM GEOL NRM SOCI NRM SOCI NRM SOCI NRM SOCI NRM Course No NRM SOCI NRM COURSE NO NRM SOCI NRM COURSE NO NRM SOCI NRM SOCI NRM SOCI NRM COURSE NO NRM SOCI NRM SOCI NRM COURSE NO NRM SOCI SOCI NRM SOCI NRM SOCI NRM SOCI SOCI SOCI SOCI SOCI SOCI SOCI SOCI	222 210 217 215 105 269 •••  rter 2.  115 135 101 114 •••  arter 2.  222 271 124 225 129	Р	Course Name Introduction to Forestry Woodland Ecology Aquatic Ecology Wildlife Management I Soils Natural Resources Exposition II (Optional) Recreation Elective - List A (Required)  Course Name Interpretive Methods Verbal Career Skills Geology Recreation Employment Seminar Social Science Elective (Required) Recreation Elective - List A (Required)  Course Name Recreation Area Maintenance Ornithology Communications IV or Technical Writing First Responder or	Type T T T T G T T G G G G G G G G G G G G	1.00-2.00  Class 2.00 2.00 2.00 2.00 2.00 0.00 0.00 10.00  Class 2.00 3.00 2.00 11.00  Class 0.00 3.00 2.00 3.00 2.00 3.00 2.00 3.00 2.00 3.00 2.00 3.00	7.00-40.00  Lab 3.00 3.00 3.00 3.00 1.50 0.00 15.00-16.50  Lab 3.00 0.00 3.00 1.00 0.00 7.00  Lab 4.00 3.00 0.00 3.00 0.00 3.00 0.00 3.00 0.00 3.00 0.00 3.00 0.00 3.00 0.00 3.00 0.00 3.00	2.00-7.00  Credit 3.00 3.00 3.00 3.00 0.50-2.00 18.00-20.00  Credit 3.00 3.00 1.00 3.00 1.00 3.00 1.00 3.00 1.00 3.00 3	\$50 \$25 \$10 Course Fee \$25 \$10 \$25 \$25 \$10 \$25
Fourth Qu Course No FOR NRM NRM GEOL NRM REC Fifth Qual Course No INTP COMM GEOL NRM SOCI NRM SOCI NRM SOCI NRM Course No NRM BIOS COMM EM	222 210 217 215 105 269 •••  rter  115 135 101 114 •••  114 •••  114 114 114 114 114		Course Name Introduction to Forestry Woodland Ecology Aquatic Ecology Wildlife Management I Soils Natural Resources Exposition II (Optional) Recreation Elective - List A (Required)  Course Name Interpretive Methods Verbal Career Skills Geology Recreation Employment Seminar Social Science Elective (Required) Recreation Elective - List A (Required)  Course Name Recreation Employment Seminar Social Science Elective (Required) Recreation Field (Required) Recreation Field (Required)  Course Name Recreation Area Maintenance Ornithology Communications IV or Technical Writing First Responder or Standard First Aid	Type Type Type Type G G G G G G G G G G G G G G G	1.00-2.00  Class 2.00 2.00 2.00 2.00 0.00 0.00 10.00  Class 2.00 3.00 2.00 1.00 3.00 2.00 3.00 2.00 3.00 3.00 2.00 3.00 1.00 3.00 2.00 3.00 2.00 3.00 1.00 3.00 2.00 3.00 3.00 3.00 3.00 3.00	7.00-40.00  Lab 3.00 3.00 3.00 3.00 1.50 0.00 15.00-16.50  Lab 3.00 0.00 3.00 1.00 0.00 7.00  Lab 4.00 3.00 0.00 0.00 3.00 0.00 0.00 0.00	2.00-7.00  Credit 3.00 3.00 3.00 3.00 0.50-2.00 3.00 18.00-20.00  Credit 3.00 3.00 1.00 3.00 16.00  Credit 2.00 3.00 3.00 3.00 16.00	\$50 \$25 \$10 Course Fee \$25 \$10 \$25 Course Fee \$65 \$10 \$20 \$20 \$50 \$20 \$25
Fourth Qu Course No FOR NRM NRM WLM GEOL NRM REC Fifth Qual Course No INTP COMM GEOL NRM SOCI NRM SOCI NRM SOCI NRM SOCI NRM Course No NRM SOCI NRM COURSE NO NRM SOCI NRM COURSE NO NRM SOCI NRM SOCI NRM SOCI NRM COURSE NO NRM SOCI NRM SOCI NRM COURSE NO NRM SOCI SOCI NRM SOCI NRM SOCI NRM SOCI SOCI SOCI SOCI SOCI SOCI SOCI SOCI	222 210 217 215 105 269 •••  rter 2.  115 135 101 114 •••  arter 2.  222 271 124 225 129	Р	Course Name Introduction to Forestry Woodland Ecology Aquatic Ecology Wildlife Management I Soils Natural Resources Exposition II (Optional) Recreation Elective - List A (Required)  Course Name Interpretive Methods Verbal Career Skills Geology Recreation Employment Seminar Social Science Elective (Required) Recreation Elective - List A (Required)  Course Name Recreation Area Maintenance Ornithology Communications IV or Technical Writing First Responder or	Type T T T T G T T G G G G G G G G G G G G	1.00-2.00  Class 2.00 2.00 2.00 2.00 2.00 0.00 0.00 10.00  Class 2.00 3.00 2.00 11.00  Class 0.00 3.00 2.00 3.00 2.00 3.00 2.00 3.00 2.00 3.00 2.00 3.00	7.00-40.00  Lab 3.00 3.00 3.00 3.00 1.50 0.00 15.00-16.50  Lab 3.00 0.00 3.00 1.00 0.00 7.00  Lab 4.00 3.00 0.00 3.00 0.00 3.00 0.00 3.00 0.00 3.00 0.00 3.00 0.00 3.00 0.00 3.00 0.00 3.00	2.00-7.00  Credit 3.00 3.00 3.00 3.00 0.50-2.00 18.00-20.00  Credit 3.00 3.00 1.00 3.00 1.00 3.00 1.00 3.00 1.00 3.00 3	\$50 \$25 \$10 Course Fee \$25 \$10 \$25 \$25 \$10 \$25
Fourth Qu Course No FOR NRM NRM GEOL NRM REC Fifth Qual Course No INTP COMM GEOL NRM SOCI NRM SOCI NRM SOCI NRM Course No NRM BIOS COMM EM	222 210 217 215 105 269 •••  rter  115 135 101 114 •••  114 •••  114 114 114 114 114	Р	Course Name Introduction to Forestry Woodland Ecology Aquatic Ecology Wildlife Management I Soils Natural Resources Exposition II (Optional) Recreation Elective – List A (Required)  Course Name Interpretive Methods Verbal Career Skills Geology Recreation Employment Seminar Social Science Elective (Required) Recreation Elective – List A (Required)  Course Name Recreation Elective – List A (Required) Recreation Flective – List A (Required)  Course Name Recreation Area Maintenance Ornithology Communications IV or Technical Writing First Responder or Standard First Aid Fish Management II or Conservation Management	Type Type Type Type G G G G G G G G G G G G G G G	1.00-2.00  Class 2.00 2.00 2.00 2.00 0.00 0.00 10.00  Class 2.00 3.00 2.00 1.00 3.00 2.00 3.00 2.00 3.00 3.00 2.00 3.00 1.00 3.00 2.00 3.00 2.00 3.00 1.00 3.00 2.00 3.00 3.00 3.00 3.00 3.00	7.00-40.00  Lab 3.00 3.00 3.00 3.00 1.50 0.00 15.00-16.50  Lab 3.00 0.00 3.00 1.00 0.00 7.00  Lab 4.00 3.00 0.00 0.00 3.00 0.00 0.00 0.00	2.00-7.00  Credit 3.00 3.00 3.00 3.00 0.50-2.00 3.00 18.00-20.00  Credit 3.00 3.00 1.00 3.00 16.00  Credit 2.00 3.00 3.00 3.00 16.00	\$50 \$25 \$10 Course Fee \$25 \$10 \$25 Course Fee \$65 \$10 \$20 \$20 \$50 \$20 \$25
Fourth Qu Course No FOR NRM NRM GEOL NRM REC Fifth Qual Course No INTP COMM GEOL NRM SOCI NRM SOCI NRM SOCI NRM COURSE NO NRM BIOS COMM EM EM FMAQ	222 210 217 215 105 269 •••  rter  115 135 101 114 •••  222 271 124  225 129  134 238  206	Р	Course Name Introduction to Forestry Woodland Ecology Aquatic Ecology Wildlife Management I Soils Natural Resources Exposition II (Optional) Recreation Elective - List A (Required)  Course Name Interpretive Methods Verbal Career Skills Geology Recreation Employment Seminar Social Science Elective (Required) Recreation Elective - List A (Required)  Course Name Recreation Engloyment Seminar Social Science Elective (Required) Recreation Elective - List A (Required)  Course Name Recreation Area Maintenance Ornithology Communications IV or Technical Writing First Responder or Standard First Aid Fish Management II or Conservation Management	Type Type Type T Type T G G G G G T T T G G T T T T T T T T	1.00-2.00  Class 2.00 2.00 2.00 2.00 0.00 0.00 10.00  Class 2.00 3.00 2.00 1.00 3.00 2.00 1.00 3.00 2.00 1.00 3.00 2.00 1.00 3.00 2.00 1.00 3.00 2.00 3.00 2.00 3.00 2.00 3.00 2.00 3.00 2.00 3.00 2.00 3.00 3	7.00-40.00  Lab 3.00 3.00 3.00 3.00 3.00 1.50 0.00 15.00-16.50  Lab 3.00 0.00 3.00 1.00 0.00 7.00  Lab 4.00 3.00 0.00 3.00 0.00 3.00 0.00 6.00	2.00-7.00  Credit 3.00 3.00 3.00 3.00 0.50-2.00 3.00 18.00-20.00  Credit 3.00 3.00 1.00 3.00 1.00 3.00 16.00  Credit 2.00 3.00 3.00 3.00 4.00 4.00	\$50 \$25 \$10 Course Fee \$25 \$10 \$25 \$25 \$10 \$25 \$10 \$20 \$20 \$50 \$20 \$20 \$25 \$25 \$20
Fourth Qu Course No FOR NRM NRM WLM GEOL NRM REC Fifth Qual Course No INTP COMM GEOL NRM Sixth Qual Course No NRM BIOS COMM EM EM EM	222 210 217 215 105 269 •••  rter 2: 115 135 101 114 •••  2: 2: 271 124 225 129 134 238	Р	Course Name Introduction to Forestry Woodland Ecology Aquatic Ecology Wildlife Management I Soils Natural Resources Exposition II (Optional) Recreation Elective – List A (Required)  Course Name Interpretive Methods Verbal Career Skills Geology Recreation Employment Seminar Social Science Elective (Required) Recreation Elective – List A (Required)  Course Name Recreation Elective – List A (Required) Recreation Flective – List A (Required)  Course Name Recreation Area Maintenance Ornithology Communications IV or Technical Writing First Responder or Standard First Aid Fish Management II or Conservation Management	Type T T T G T T G G G G G G G G T T T G	1.00-2.00  Class 2.00 2.00 2.00 2.00 2.00 0.00 0.00 0.	7.00-40.00  Lab 3.00 3.00 3.00 3.00 3.00 1.50 0.00 15.00-16.50  Lab 3.00 0.00 3.00 1.00 0.00 7.00  Lab 4.00 3.00 0.00 0.00 0.00 3.00 0.00 0.00	2.00-7.00  Credit 3.00 3.00 3.00 3.00 3.00 0.50-2.00 18.00-20.00  Credit 3.00 3.00 1.00 3.00 1.00 3.00 1.00 3.00 3	\$50 \$25 \$10 Course Fee \$25 \$10 \$25 Course Fee \$65 \$10 \$20 \$20 \$50 \$20 \$25
Fourth Qu Course No FOR NRM NRM WLM GEOL NRM REC Fifth Qual Course No INTP COMM GEOL NRM SOCI NRM Sixth Qua Course No NRM BIOS COMM EM EM FMAQ NRM	222 210 217 215 105 269 •••  rter 2. 115 135 101 114 ••• 222 271 124 225 129 134 238 206 239 Credit Hours	Р	Course Name Introduction to Forestry Woodland Ecology Aquatic Ecology Wildlife Management I Soils Natural Resources Exposition II (Optional) Recreation Elective – List A (Required)  Course Name Interpretive Methods Verbal Career Skills Geology Recreation Employment Seminar Social Science Elective (Required) Recreation Elective – List A (Required)  Course Name Recreation Elective – List A (Required) Recreation Flective – List A (Required)  Course Name Recreation Area Maintenance Ornithology Communications IV or Technical Writing First Responder or Standard First Aid Fish Management II or Conservation Management or Wildlife Management II	Type Type Type T Type T G G G G G T T T G G T T T T T T T T	1.00-2.00  Class 2.00 2.00 2.00 2.00 2.00 0.00 0.00 10.00  Class 2.00 3.00 2.00 1.00 3.00 2.00 1.00 3.00 2.00 1.00 2.00 3.00 2.00 3.00 2.00 3.00 2.00 3.00 2.00 3.00 2.00 3.00 3	7.00-40.00  Lab 3.00 3.00 3.00 3.00 3.00 1.50 0.00 15.00-16.50  Lab 3.00 0.00 0.00 0.00 7.00  Lab 4.00 3.00 0.00 0.00 0.00 0.00 0.00 0.00	2.00-7.00  Credit 3.00 3.00 3.00 3.00 0.50-2.00 3.00 18.00-20.00  Credit 3.00 3.00 1.00 3.00 1.00 3.00 3.00 16.00  Credit 2.00 3.00 3.00 4.00 4.00	\$50 \$25 \$10 Course Fee \$25 \$10 \$25 Course Fee \$65 \$10 \$20 \$20 \$20 \$50 \$25 \$20
Fourth Qu Course No FOR NRM NRM WLM GEOL NRM REC Fifth Qual Course No INTP COMM GEOL NRM SOCI NRM SOCI NRM SOCI NRM COURSE NO NRM EM EM FMAQ NRM EM FMAQ NRM	222 210 217 215 105 269 •••  rter  115 135 101 114 •••  222 271 124  225 129  134 238  206 239  Credit Hours redit Hours	Р	Course Name Introduction to Forestry Woodland Ecology Aquatic Ecology Wildlife Management I Soils Natural Resources Exposition II (Optional) Recreation Elective - List A (Required)  Course Name Interpretive Methods Verbal Career Skills Geology Recreation Employment Seminar Social Science Elective (Required) Recreation Elective - List A (Required)  Course Name Recreation Employment Seminar Social Science Flective (Required) Recreation Flective - List A (Required)  Course Name Recreation Area Maintenance Ornithology Communications IV or Technical Writing First Responder or Standard First Aid Fish Management II or Conservation Management or Wildlife Management II	Type Type Type T Type T G G G G G T T T G G T T T T T T T T	1.00-2.00  Class 2.00 2.00 2.00 2.00 2.00 0.00 0.00 10.00  Class 2.00 3.00 2.00 1.00 3.00 2.00 1.00 3.00 2.00 1.00 2.00 3.00 2.00 3.00 2.00 3.00 2.00 3.00 2.00 3.00 2.00 3.00 3	7.00-40.00  Lab 3.00 3.00 3.00 3.00 3.00 1.50 0.00 15.00-16.50  Lab 3.00 0.00 0.00 0.00 7.00  Lab 4.00 3.00 0.00 0.00 0.00 0.00 0.00 0.00	2.00-7.00  Credit 3.00 3.00 3.00 3.00 0.50-2.00 3.00 18.00-20.00  Credit 3.00 3.00 1.00 3.00 1.00 3.00 3.00 16.00  Credit 2.00 3.00 3.00 4.00 4.00	\$50 \$25 \$10 Course Fee \$25 \$10 \$25 \$25 \$10 \$25 \$10 \$20 \$20 \$50 \$20 \$20 \$25 \$25 \$20

Natural Resources Management Notes: To complete graduation requirements, students must enroll in REC 296, Recreation and Wildlife Practicum and Seminar (3 credits) or NR 223, Campus Park Management (2 credits), or REC 294 Recreation and Wildlife Coop Work Experience/Seminar (6 credits), at the beginning of any quarter beginning with the third quarter. REC ••• - Students must select courses from Recreation and Wildlife Elective List A which contains courses from the following Recreation and Wildlife curriculums: Wildlife Management, Natural and Historical Interpretation, and Ranger Services.

## Ranger Services

For students entering June, 2002 through May, 2003

First Quarter						
Course No.	Course Name	Tuna	Class	اماء	0	
NRM 110	Chainsaw Operation	<u>Type</u>	Class	<u>Lab</u>	Credit	Course Fee
		Ţ	0.00	2.00	1.00	\$85
NRM 125	Map Reading and Interpretation	Ţ	2.00	2.00	2.00	
NRM 130	Recreation Area Equipment	T	0.00	2.00	1.00	\$65
BIOS 109	Dendrology	G.	2.00	3.00	3.00	\$35
COMM 122	P Communications II	G	3.00	0.00	3.00	\$20
MATH 108 N	Introduction to Algebra for Natural Resource		3.00	1.00	3.00	\$16
RNGR 100	Focus on Ranger Services	G	0.00	3.00	1.00	\$200
RNGR 107	NR Information Technology and Equipment	G	2.00	3.00	3.00	+
	Operation					
NRM 169	Natural Resources Exposition I (Optional)	T	0.00	1.50	0.50	
	, , , , , , , , , , , , , , , , , , , ,		12.00	16.00-17.50	17.00-17.50	
Second Quarter			12.00	10.00 17.00	17.00 17.50	
Course No.	Course Name	Type	Class	<u>Lab</u>	Credit	Course Fee
RNGR 103	Introduction to Resource Protection	T	2.00	2.00	3.00	Course rec
WLM 156	Wildlife Investigative Techniques I	Ť	2.00	3.00	3.00	\$35
BIOS 170	Zoology	Ġ	2.00	3.00		
COMM 123	P Communications III	G			3.00	\$40
COMM 135	Verbal Career Skills		3.00	0.00	3.00	\$20
MICS 121	Microsoft Office	G	3.00	0.00	3.00	\$10
IVIICS 121	Microsoft Office	G	2.00	3.00	3.00	\$45
			14.00	11.00	18.00	
Third Overter						
Third Quarter	O North	-	01			
Course No.	Course Name	<u>Type</u>	Class	<u>Lab</u>	<u>Credit</u>	Course Fee
INTP 115	Interpretive Methods	1	2.00	3.00	3.00	\$25
INTP 116	Interpretive Guide Seminar	T	1.00	0.00	1.00	
NRM 222	Recreation Area Maintenance	T	0.00	4.00	2.00	\$65
BIOS 132	Field Biology	G	2.00	3.00	3.00	\$25
BIOS 271	Ornithology	G	2.00	3.00	3.00	\$10
GEOL 101	Geology	G	2.00	3.00	3.00	\$25
PSYC 152	Abnormal Psychology	G	3.00	0.00	3.00	\$7
	, 3,		12.00	16.00	18.00	Ψ,
				10.00	10.00	
Summer Quarter						
Course No.	Course Name	Type	Class	Lab	Credit	Course Fee
RNGR 294	Ranger Services Cooperative Work Experienc	T	2.00	40.00	6.00	Course ree
111011 234		'	2.00	40.00	6.00	
DNGD 206	Or Panger Services Practicum	т	1.00	7.00	2.00	
RNGR 296	or Ranger Services Practicum	T	1.00	7.00	2.00	
RNGR 296		T	1.00 1.00-2.00	7.00 7.00-40.00	<u>2.00</u> 2.00-7.00	
RNGR 296		T				
		T				
Fourth Quarter	Ranger Services Practicum	_	1.00-2.00	7.00-40.00	2.00-7.00	
Fourth Quarter Course No.	Ranger Services Practicum <u>Course Name</u>	<u>Type</u>	1.00-2.00 <u>Class</u>	7.00-40.00 <u>Lab</u>	2.00-7.00 <u>Credit</u>	<u>Course Fee</u>
Fourth Quarter Course No. NRM 113	Ranger Services Practicum <u>Course Name</u> Watercraft Operation and Maintenance	<u>Type</u> T	1.00-2.00  Class 0.00	7.00-40.00	2.00-7.00	<u>Course Fee</u> \$75
Fourth Quarter <u>Course No.</u> NRM 113 NRM 210	Ranger Services Practicum  Course Name Watercraft Operation and Maintenance Woodland Ecology	<u>Type</u> T T	1.00-2.00  Class 0.00 2.00	7.00-40.00 <u>Lab</u>	2.00-7.00 <u>Credit</u>	
Fourth Quarter Course No. NRM 113 NRM 210 NRM 217	Ranger Services Practicum  Course Name  Watercraft Operation and Maintenance  Woodland Ecology  Aquatic Ecology	<u>Type</u> T T T	1.00-2.00  Class 0.00	7.00-40.00 <u>Lab</u> 4.00	2.00-7.00 <u>Credit</u> 2.00	
Fourth Quarter <u>Course No.</u> NRM 113 NRM 210	Ranger Services Practicum  Course Name Watercraft Operation and Maintenance Woodland Ecology	<u>Type</u> T T	1.00-2.00  Class 0.00 2.00	7.00-40.00 <u>Lab</u> 4.00 3.00	2.00-7.00 <u>Credit</u> 2.00 3.00	\$75
Fourth Quarter Course No. NRM 113 NRM 210 NRM 217	Ranger Services Practicum  Course Name  Watercraft Operation and Maintenance  Woodland Ecology  Aquatic Ecology	<u>Type</u> T T T	1.00-2.00 Class 0.00 2.00 2.00	7.00-40.00 <u>Lab</u> 4.00 3.00 3.00	2.00-7.00 Credit 2.00 3.00 3.00	\$75
Fourth Quarter Course No. NRM 113 NRM 210 NRM 217 RNGR 109	Ranger Services Practicum  Course Name Watercraft Operation and Maintenance Woodland Ecology Aquatic Ecology NR Administration and Management	<u>Type</u> T T T T	Class 0.00 2.00 2.00 3.00 2.00	7.00-40.00  Lab 4.00 3.00 3.00 0.00 3.00	2.00-7.00 Credit 2.00 3.00 3.00 3.00 3.00	\$75 \$25 \$10
Fourth Quarter Course No. NRM 113 NRM 210 NRM 217 RNGR 109 WLM 215	Ranger Services Practicum  Course Name Watercraft Operation and Maintenance Woodland Ecology Aquatic Ecology NR Administration and Management Wildlife Management I Botany	<u>Type</u> T T T T T	Class 0.00 2.00 2.00 2.00 2.00 2.00 2.00	7.00-40.00  Lab 4.00 3.00 3.00 0.00 3.00 3.00 3.00	2.00-7.00 Credit 2.00 3.00 3.00 3.00 3.00 3.00 3.00	\$75 \$25
Fourth Quarter Course No. NRM 113 NRM 210 NRM 217 RNGR 109 WLM 215 BIOS 120	Ranger Services Practicum  Course Name Watercraft Operation and Maintenance Woodland Ecology Aquatic Ecology NR Administration and Management Wildlife Management I	Type T T T T T G	Class 0.00 2.00 2.00 3.00 2.00	7.00-40.00  Lab 4.00 3.00 3.00 0.00 3.00 3.00 1.50	2.00-7.00  Credit 2.00 3.00 3.00 3.00 3.00 3.00 0.50-2.00	\$75 \$25 \$10
Fourth Quarter Course No. NRM 113 NRM 210 NRM 217 RNGR 109 WLM 215 BIOS 120	Ranger Services Practicum  Course Name Watercraft Operation and Maintenance Woodland Ecology Aquatic Ecology NR Administration and Management Wildlife Management I Botany	Type T T T T T G	1.00-2.00  Class 0.00 2.00 2.00 3.00 2.00 2.00 2.00 0.00	7.00-40.00  Lab 4.00 3.00 3.00 0.00 3.00 3.00 3.00	2.00-7.00 Credit 2.00 3.00 3.00 3.00 3.00 3.00 3.00	\$75 \$25 \$10
Fourth Quarter <u>Course No.</u> NRM 113 NRM 210 NRM 217 RNGR 109 WLM 215 BIOS 120 NRM 269	Ranger Services Practicum  Course Name Watercraft Operation and Maintenance Woodland Ecology Aquatic Ecology NR Administration and Management Wildlife Management I Botany	Type T T T T T G	1.00-2.00  Class 0.00 2.00 2.00 3.00 2.00 2.00 2.00 0.00	7.00-40.00  Lab 4.00 3.00 3.00 0.00 3.00 3.00 1.50	2.00-7.00  Credit 2.00 3.00 3.00 3.00 3.00 3.00 0.50-2.00	\$75 \$25 \$10
Fourth Quarter Course No. NRM 113 NRM 210 NRM 217 RNGR 109 WLM 215 BIOS 120 NRM 269  Fifth Quarter	Course Name Watercraft Operation and Maintenance Woodland Ecology Aquatic Ecology NR Administration and Management Wildlife Management I Botany Natural Resource Exposition II (Optional)	Type T T T T T G T	Class 0.00 2.00 2.00 3.00 2.00 2.00 0.00 11.00	7.00-40.00  Lab 4.00 3.00 3.00 0.00 3.00 3.00 1.50 16.00-17.50	2.00-7.00  Credit 2.00 3.00 3.00 3.00 3.00 3.00 0.50-2.00 17.00-19.00	\$75 \$25 \$10 \$40
Fourth Quarter Course No. NRM 113 NRM 210 NRM 217 RNGR 109 WLM 215 BIOS 120 NRM 269  Fifth Quarter Course No.	Course Name Watercraft Operation and Maintenance Woodland Ecology Aquatic Ecology NR Administration and Management Wildlife Management I Botany Natural Resource Exposition II (Optional)	Type T T T T G T	Class 0.00 2.00 2.00 3.00 2.00 2.00 0.00 11.00	7.00-40.00  Lab 4.00 3.00 3.00 0.00 3.00 3.00 1.50 16.00-17.50	2.00-7.00  Credit 2.00 3.00 3.00 3.00 3.00 3.00 0.50-2.00 17.00-19.00  Credit	\$75 \$25 \$10 \$40 Course Fee
Fourth Quarter Course No. NRM 113 NRM 210 NRM 217 RNGR 109 WLM 215 BIOS 120 NRM 269  Fifth Quarter Course No. FOR 149	Course Name Watercraft Operation and Maintenance Woodland Ecology Aquatic Ecology NR Administration and Management Wildlife Management I Botany Natural Resource Exposition II (Optional)  Course Name Basic Wildland Firefighting	Type T T T T G T	1.00-2.00  Class 0.00 2.00 2.00 3.00 2.00 2.00 0.00 11.00  Class 2.00	7.00-40.00  Lab 4.00 3.00 3.00 0.00 3.00 1.50 16.00-17.50  Lab 2.00	2.00-7.00  Credit 2.00 3.00 3.00 3.00 3.00 0.50-2.00 17.00-19.00  Credit 2.00	\$75 \$25 \$10 \$40 Course Fee \$45
Fourth Quarter Course No. NRM 113 NRM 210 NRM 217 RNGR 109 WLM 215 BIOS 120 NRM 269  Fifth Quarter Course No. FOR 149 RNGR 126	Course Name Watercraft Operation and Maintenance Woodland Ecology Aquatic Ecology NR Administration and Management Wildlife Management I Botany Natural Resource Exposition II (Optional)  Course Name Basic Wildland Firefighting Search and Rescue Introduction	Type T T T T G T T T T T T T T T T T T T T	1.00-2.00  Class 0.00 2.00 2.00 3.00 2.00 2.00 0.00 11.00  Class 2.00 1.00	7.00-40.00  Lab 4.00 3.00 3.00 0.00 3.00 1.50 16.00-17.50  Lab 2.00 0.00	2.00-7.00  Credit 2.00 3.00 3.00 3.00 3.00 3.00 17.00-19.00  Credit 2.00 1.00	\$75 \$25 \$10 \$40 Course Fee \$45 \$90
Fourth Quarter Course No. NRM 113 NRM 210 NRM 217 RNGR 109 WLM 215 BIOS 120 NRM 269  Fifth Quarter Course No. FOR 149 RNGR 126 RNGR 126 RNGR 238A	Course Name Watercraft Operation and Maintenance Woodland Ecology Aquatic Ecology NR Administration and Management Wildlife Management I Botany Natural Resource Exposition II (Optional)  Course Name Basic Wildland Firefighting Search and Rescue Introduction Ranger Academy - Theory	Type T T T T G T T T T T T T T T T T T T T	1.00-2.00  Class 0.00 2.00 2.00 3.00 2.00 0.00 11.00  Class 2.00 1.00 0.00	7.00-40.00  Lab 4.00 3.00 3.00 0.00 3.00 1.50 16.00-17.50  Lab 2.00 0.00 0.00	2.00-7.00  Credit 2.00 3.00 3.00 3.00 3.00 0.50-2.00 17.00-19.00  Credit 2.00 1.00 12.00	\$75 \$25 \$10 \$40 \$40 \$45 \$90 \$522
Fourth Quarter Course No. NRM 113 NRM 210 NRM 217 RNGR 109 WLM 215 BIOS 120 NRM 269  Fifth Quarter Course No. FOR 149 RNGR 126	Course Name Watercraft Operation and Maintenance Woodland Ecology Aquatic Ecology NR Administration and Management Wildlife Management I Botany Natural Resource Exposition II (Optional)  Course Name Basic Wildland Firefighting Search and Rescue Introduction	Type T T T T G T T T T T T T T T T T T T T	1.00-2.00  Class 0.00 2.00 2.00 2.00 2.00 0.00 11.00  Class 2.00 1.00 0.00 1.00	7.00-40.00  Lab 4.00 3.00 3.00 0.00 3.00 1.50 16.00-17.50  Lab 2.00 0.00 0.00 3.00	2.00-7.00  Credit 2.00 3.00 3.00 3.00 3.00 0.50-2.00 17.00-19.00  Credit 2.00 1.00 12.00 2.00	\$75 \$25 \$10 \$40 Course Fee \$45 \$90
Fourth Quarter Course No. NRM 113 NRM 210 NRM 217 RNGR 109 WLM 215 BIOS 120 NRM 269  Fifth Quarter Course No. FOR 149 RNGR 126 RNGR 126 RNGR 238A	Course Name Watercraft Operation and Maintenance Woodland Ecology Aquatic Ecology NR Administration and Management Wildlife Management I Botany Natural Resource Exposition II (Optional)  Course Name Basic Wildland Firefighting Search and Rescue Introduction Ranger Academy - Theory	Type T T T T G T T T T T T T T T T T T T T	1.00-2.00  Class 0.00 2.00 2.00 3.00 2.00 0.00 11.00  Class 2.00 1.00 0.00	7.00-40.00  Lab 4.00 3.00 3.00 0.00 3.00 1.50 16.00-17.50  Lab 2.00 0.00 0.00	2.00-7.00  Credit 2.00 3.00 3.00 3.00 3.00 0.50-2.00 17.00-19.00  Credit 2.00 1.00 12.00	\$75 \$25 \$10 \$40 \$40 \$45 \$90 \$522
Fourth Quarter Course No. NRM 113 NRM 210 NRM 217 RNGR 109 WLM 215 BIOS 120 NRM 269  Fifth Quarter Course No. FOR 149 RNGR 126 RNGR 238A EM 129	Course Name Watercraft Operation and Maintenance Woodland Ecology Aquatic Ecology NR Administration and Management Wildlife Management I Botany Natural Resource Exposition II (Optional)  Course Name Basic Wildland Firefighting Search and Rescue Introduction Ranger Academy - Theory	Type T T T T G T T T T T T T T T T T T T T	1.00-2.00  Class 0.00 2.00 2.00 2.00 2.00 0.00 11.00  Class 2.00 1.00 0.00 1.00	7.00-40.00  Lab 4.00 3.00 3.00 0.00 3.00 1.50 16.00-17.50  Lab 2.00 0.00 0.00 3.00	2.00-7.00  Credit 2.00 3.00 3.00 3.00 3.00 0.50-2.00 17.00-19.00  Credit 2.00 1.00 12.00 2.00	\$75 \$25 \$10 \$40 \$40 \$45 \$90 \$522
Fourth Quarter Course No. NRM 113 NRM 210 NRM 217 RNGR 109 WLM 215 BIOS 120 NRM 269  Fifth Quarter Course No. FOR 149 RNGR 126 RNGR 126 RNGR 238A EM 129  Sixth Quarter	Course Name Watercraft Operation and Maintenance Woodland Ecology Aquatic Ecology NR Administration and Management Wildlife Management I Botany Natural Resource Exposition II (Optional)  Course Name Basic Wildland Firefighting Search and Rescue Introduction Ranger Academy - Theory First Responder	Type T T T T G T T T T G T T	1.00-2.00  Class 0.00 2.00 2.00 3.00 2.00 2.00 0.00 11.00  Class 2.00 1.00 0.00 1.00 4.00	7.00-40.00  Lab 4.00 3.00 3.00 0.00 3.00 1.50 16.00-17.50  Lab 2.00 0.00 0.00 3.00 5.00	2.00-7.00  Credit 2.00 3.00 3.00 3.00 3.00 0.50-2.00 17.00-19.00  Credit 2.00 1.00 12.00 2.00 17.00	\$75 \$25 \$10 \$40 \$40 \$45 \$90 \$522 \$50
Fourth Quarter Course No. NRM 113 NRM 210 NRM 217 RNGR 109 WLM 215 BIOS 120 NRM 269  Fifth Quarter Course No. FOR 149 RNGR 126 RNGR 126 RNGR 238A EM 129  Sixth Quarter Course No.	Course Name Watercraft Operation and Maintenance Woodland Ecology Aquatic Ecology NR Administration and Management Wildlife Management I Botany Natural Resource Exposition II (Optional)  Course Name Basic Wildland Firefighting Search and Rescue Introduction Ranger Academy - Theory First Responder  Course Name	Type T T T G T T T G T T T G T T T T G T	Class 0.00 2.00 2.00 2.00 2.00 2.00 2.00 0.00 11.00 Class 2.00 1.00 0.00 1.00	7.00-40.00  Lab 4.00 3.00 3.00 0.00 3.00 1.50 16.00-17.50  Lab 2.00 0.00 0.00 3.00 5.00	2.00-7.00  Credit 2.00 3.00 3.00 3.00 3.00 0.50-2.00 17.00-19.00  Credit 2.00 1.00 12.00 2.00 17.00	\$75 \$25 \$10 \$40 \$40 \$522 \$50
Fourth Quarter Course No. NRM 113 NRM 210 NRM 217 RNGR 109 WLM 215 BIOS 120 NRM 269  Fifth Quarter Course No. FOR 149 RNGR 126 RNGR 238A EM 129  Sixth Quarter Course No. RNGR 123	Course Name Watercraft Operation and Maintenance Woodland Ecology Aquatic Ecology NR Administration and Management Wildlife Management I Botany Natural Resource Exposition II (Optional)  Course Name Basic Wildland Firefighting Search and Rescue Introduction Ranger Academy - Theory First Responder  Course Name Rappelling and Rope Techniques	Type T T T G T T T G T T T G T T T T T T T	1.00-2.00  Class 0.00 2.00 2.00 2.00 2.00 0.00 11.00  Class 2.00 1.00 0.00 1.00 4.00	7.00-40.00  Lab 4.00 3.00 3.00 0.00 3.00 1.50 16.00-17.50  Lab 2.00 0.00 3.00 5.00	2.00-7.00  Credit 2.00 3.00 3.00 3.00 3.00 0.50-2.00 17.00-19.00  Credit 2.00 12.00 2.00 17.00  Credit 1.50	\$75 \$25 \$10 \$40 \$40 \$550 \$522 \$50
Fourth Quarter Course No.  NRM 113  NRM 210  NRM 217  RNGR 109  WLM 215  BIOS 120  NRM 269  Fifth Quarter Course No. FOR 149  RNGR 126  RNGR 238A  EM 129  Sixth Quarter Course No. RNGR 123  RNGR 226	Course Name Watercraft Operation and Maintenance Woodland Ecology Aquatic Ecology NR Administration and Management Wildlife Management I Botany Natural Resource Exposition II (Optional)  Course Name Basic Wildland Firefighting Search and Rescue Introduction Ranger Academy - Theory First Responder  Course Name Rappelling and Rope Techniques Vertical Rope Rescue	Type T T T T G T T T G T T T T T T T T T T	Class 0.00 2.00 2.00 2.00 2.00 2.00 2.00 0.00 11.00 Class 2.00 1.00 0.00 1.00 4.00  Class 0.75 0.75	Lab 4.00 3.00 3.00 3.00 3.00 1.50 16.00-17.50  Lab 2.00 0.00 3.00 5.00  Lab 2.25 1.50	2.00-7.00  Credit 2.00 3.00 3.00 3.00 3.00 0.50-2.00 17.00-19.00  Credit 2.00 1.00 2.00 17.00  Credit 1.50 1.25	\$75 \$25 \$10 \$40 \$40 \$552 \$50 \$55 \$85
Fourth Quarter Course No. NRM 113 NRM 210 NRM 217 RNGR 109 WLM 215 BIOS 120 NRM 269  Fifth Quarter Course No. FOR 149 RNGR 126 RNGR 238A EM 129  Sixth Quarter Course No. RNGR 123	Course Name Watercraft Operation and Maintenance Woodland Ecology Aquatic Ecology NR Administration and Management Wildlife Management I Botany Natural Resource Exposition II (Optional)  Course Name Basic Wildland Firefighting Search and Rescue Introduction Ranger Academy - Theory First Responder  Course Name Rappelling and Rope Techniques	Type T T T G T T T G T T T G T T T T T T T	Class 0.00 2.00 2.00 2.00 2.00 2.00 2.00 2.	7.00-40.00  Lab 4.00 3.00 3.00 0.00 3.00 1.50 16.00-17.50  Lab 2.00 0.00 3.00 5.00	2.00-7.00  Credit 2.00 3.00 3.00 3.00 3.00 0.50-2.00 17.00-19.00  Credit 2.00 1.00 12.00 2.00 17.00  Credit 1.50 1.25 12.00	\$75 \$25 \$10 \$40 \$40 \$550 \$522 \$50
Fourth Quarter Course No.  NRM 113  NRM 210  NRM 217  RNGR 109  WLM 215  BIOS 120  NRM 269  Fifth Quarter Course No. FOR 149  RNGR 126  RNGR 238A  EM 129  Sixth Quarter Course No. RNGR 123  RNGR 226	Course Name Watercraft Operation and Maintenance Woodland Ecology Aquatic Ecology NR Administration and Management Wildlife Management I Botany Natural Resource Exposition II (Optional)  Course Name Basic Wildland Firefighting Search and Rescue Introduction Ranger Academy - Theory First Responder  Course Name Rappelling and Rope Techniques Vertical Rope Rescue	Type T T T T G T T T G T T T T T T T T T T	Class 0.00 2.00 2.00 2.00 2.00 2.00 2.00 0.00 11.00 Class 2.00 1.00 0.00 1.00 4.00  Class 0.75 0.75	Lab 4.00 3.00 3.00 3.00 3.00 1.50 16.00-17.50  Lab 2.00 0.00 3.00 5.00  Lab 2.25 1.50	2.00-7.00  Credit 2.00 3.00 3.00 3.00 3.00 0.50-2.00 17.00-19.00  Credit 2.00 1.00 2.00 17.00  Credit 1.50 1.25	\$75 \$25 \$10 \$40 \$40 \$552 \$50 \$55 \$85
Fourth Quarter Course No.  NRM 113  NRM 210  NRM 217  RNGR 109  WLM 215  BIOS 120  NRM 269  Fifth Quarter Course No. FOR 149  RNGR 126  RNGR 238A  EM 129  Sixth Quarter Course No. RNGR 123  RNGR 226	Course Name Watercraft Operation and Maintenance Woodland Ecology Aquatic Ecology NR Administration and Management Wildlife Management I Botany Natural Resource Exposition II (Optional)  Course Name Basic Wildland Firefighting Search and Rescue Introduction Ranger Academy - Theory First Responder  Course Name Rappelling and Rope Techniques Vertical Rope Rescue	Type T T T T G T T T G T T T T T T T T T T	Class 0.00 2.00 2.00 2.00 2.00 2.00 2.00 2.	Lab 4.00 3.00 3.00 3.00 3.00 1.50 16.00-17.50  Lab 2.00 0.00 3.00 5.00  Lab 2.25 1.50 0.00	2.00-7.00  Credit 2.00 3.00 3.00 3.00 3.00 0.50-2.00 17.00-19.00  Credit 2.00 1.00 12.00 2.00 17.00  Credit 1.50 1.25 12.00	\$75 \$25 \$10 \$40 \$40 \$552 \$50 \$55 \$85
Fourth Quarter Course No. NRM 113 NRM 210 NRM 217 RNGR 109 WLM 215 BIOS 120 NRM 269  Fifth Quarter Course No. FOR 149 RNGR 126 RNGR 238A EM 129  Sixth Quarter Course No. RNGR 123 RNGR 226 RNGR 238B  Technical Credit Hours	Course Name Watercraft Operation and Maintenance Woodland Ecology Aquatic Ecology NR Administration and Management Wildlife Management I Botany Natural Resource Exposition II (Optional)  Course Name Basic Wildland Firefighting Search and Rescue Introduction Ranger Academy - Theory First Responder  Course Name Rappelling and Rope Techniques Vertical Rope Rescue	Type T T T T G T T T G T T T T T T T T T T	Class 0.00 2.00 2.00 2.00 2.00 2.00 2.00 2.	Lab 4.00 3.00 3.00 3.00 3.00 1.50 16.00-17.50  Lab 2.00 0.00 3.00 5.00  Lab 2.25 1.50 0.00	2.00-7.00  Credit 2.00 3.00 3.00 3.00 3.00 0.50-2.00 17.00-19.00  Credit 2.00 1.00 12.00 2.00 17.00  Credit 1.50 1.25 12.00	\$75 \$25 \$10 \$40 \$40 \$552 \$50 \$55 \$85
Fourth Quarter Course No. NRM 113 NRM 210 NRM 217 RNGR 109 WLM 215 BIOS 120 NRM 269  Fifth Quarter Course No. FOR 149 RNGR 126 RNGR 238A EM 129  Sixth Quarter Course No. RNGR 123 RNGR 226 RNGR 238B	Course Name Watercraft Operation and Maintenance Woodland Ecology Aquatic Ecology NR Administration and Management Wildlife Management I Botany Natural Resource Exposition II (Optional)  Course Name Basic Wildland Firefighting Search and Rescue Introduction Ranger Academy - Theory First Responder  Course Name Rappelling and Rope Techniques Vertical Rope Rescue Ranger Academy - Skills	Type T T T T G T T T G T T T T T T T T T T	Class 0.00 2.00 2.00 2.00 2.00 2.00 2.00 2.	Lab 4.00 3.00 3.00 3.00 3.00 1.50 16.00-17.50  Lab 2.00 0.00 3.00 5.00  Lab 2.25 1.50 0.00	2.00-7.00  Credit 2.00 3.00 3.00 3.00 3.00 0.50-2.00 17.00-19.00  Credit 2.00 1.00 12.00 2.00 17.00  Credit 1.50 1.25 12.00	\$75 \$25 \$10 \$40 \$40 \$552 \$50 \$55 \$85
Fourth Quarter Course No. NRM 113 NRM 210 NRM 217 RNGR 109 WLM 215 BIOS 120 NRM 269  Fifth Quarter Course No. FOR 149 RNGR 126 RNGR 238A EM 129  Sixth Quarter Course No. RNGR 123 RNGR 226 RNGR 238B  Technical Credit Hours	Course Name Watercraft Operation and Maintenance Woodland Ecology Aquatic Ecology NR Administration and Management Wildlife Management I Botany Natural Resource Exposition II (Optional)  Course Name Basic Wildland Firefighting Search and Rescue Introduction Ranger Academy - Theory First Responder  Course Name Rappelling and Rope Techniques Vertical Rope Rescue Ranger Academy - Skills	Type T T T T G T T T G T T T T T T T T T T	Class 0.00 2.00 2.00 2.00 2.00 2.00 2.00 2.	Lab 4.00 3.00 3.00 3.00 3.00 1.50 16.00-17.50  Lab 2.00 0.00 3.00 5.00  Lab 2.25 1.50 0.00	2.00-7.00  Credit 2.00 3.00 3.00 3.00 3.00 0.50-2.00 17.00-19.00  Credit 2.00 1.00 12.00 2.00 17.00  Credit 1.50 1.25 12.00	\$75 \$25 \$10 \$40 \$40 \$552 \$50 \$55 \$85

Ranger Services Notes: To complete graduation requirements, students must enroll in RNGR 296 Ranger Services Practicum (2 credits) or RNGR 294 Ranger Services Cooperative Work Experience (6 credits) at the beginning of any quarter beginning with the third quarter.

# Reclamation

For students entering June, 2002 through May, 2003

First Quarter <u>Course No.</u> ERT 101 ERT 107 EM 129 ERT 110 PSYC 154		Course Name Equipment Operations I Heavy Equipment Maintenance and Repair I First Responder Construction Basics Interpersonal Relationships	<u>Type</u> T T G G G	Class 2.00 1.00 1.00 2.00 3.00 9.00	<u>Lab</u> 12.00 3.00 3.00 3.00 0.00 21.00	<u>Credit</u> 6.00 2.00 2.00 3.00 3.00 16.00	<u>Course Fee</u> \$450 \$25 \$50 \$25 \$7
Second Quarter           Course No.           DD         100           ERT         102           ERT         108           ERT         121           COMM         104           MATH         108		Course Name Blueprint Reading Equipment Operations II Heavy Equipment Maintenance and Repair II Welding Job Search Techniques Introduction to Algebra for Natural Resources	Type T T T T G G	Class 1.00 2.00 1.00 1.00 1.00 3.00 9.00	Lab 2.00 12.00 3.00 3.00 0.00 1.00 21.00	Credit 1.00 6.00 2.00 2.00 1.00 3.00 15.00	Course Fee \$10 \$450 \$25 \$65 \$10 \$16
Third Quarter Course No. ERT 103 ERT 109 BIOS 101 MATH 110 MICS 121	Р	Course Name Equipment Operations III Heavy Equipment Maintenance and Repair III Environmental Science Geometry and Trigonometry Microsoft Office	Type T T G G G	Class 2.00 1.00 3.00 3.00 2.00 11.00	Lab 12.00 3.00 0.00 1.00 3.00 19.00	Credit 6.00 2.00 3.00 3.00 3.00 17.00	Course Fee \$450 \$25 \$20 \$16 \$45
Summer Quarter Course No. ERT 296		<u>Course Name</u> Environmental Restoration Practicum	<u>Type</u> T	<u>Class</u> 1.00 1.00	<u>Lab</u> 7.00 7.00	<u>Credit</u> 2.00 2.00	Course Fee
Fourth Quarter Course No.  ERT 175 GEO 100 GEO 102 NRM 123 RECL 222 COMM 122 GEOL 101	Р	Course Name Commercial Driver License 40 Hour Introduction to GIS Introduction to GPS Surveying and Mapping I Reclamation I Communications II Geology	Type T T T T T G G	Class 1.00 1.00 1.00 2.00 2.00 3.00 2.00 12.00	Lab 3.00 3.00 3.00 3.00 3.00 0.00 3.00 18.00	Credit 2.00 2.00 2.00 3.00 3.00 3.00 3.00 18.00	Course Fee \$375 \$55 \$55 \$15 \$20 \$25
Fifth Quarter Course No.  ERT 215 ERT 219 GEOL 105 RECL 223 COMM 123 SOCI 165	Р	Course Name Job Appraisal and Bidding Applied Surveying Soils Reclamation II Communications III Cross Cultural Studies	Type T T T T G G	Class 1.00 2.00 2.00 1.00 3.00 3.00 12.00	<u>Lab</u> 6.00 3.00 3.00 6.00 0.00 0.00 18.00	Credit 3.00 3.00 3.00 3.00 3.00 3.00 3.00 18.00	<u>Course Fee</u> \$20 \$25 \$30 \$20 \$7
Sixth Quarter           Course No.           BIOS         205           ERT         217           BIOS         102           BUS         120           COMM         135           COMM         124	P P	Course Name Soils II Environmental Sampling Ecology Personal Finance Verbal Career Skills Communications IV	Type T T G G G G	Class 2.00 1.00 2.00 3.00 3.00 3.00	Lab 3.00 6.00 3.00 0.00 0.00	Credit 3.00 3.00 3.00 3.00 3.00 3.00 3.00	Course Fee \$25 \$40 \$20 \$10 \$20
COMM 225	Р	or Technical Writing	G	3.00 14.00	<u>0.00</u> 12.00	3.00 18.00	\$20
Technical Credit Hours General Credit Hours Total Credit Hours		59.00 45.00 104.00					

# Wildlife Management For students entering June, 2002 through May, 2003

	rter							
Course No			Course Name	Type	Class	Lab	Credit	Course Fee
BIOS	109		Dendrology	T	2.00	3.00	3.00	\$35
NRM	110		Chain Saw Operation	T	0.00	2.00	1.00	\$85
NRM	130		Recreation Area Equipment	T	0.00	2.00	1.00	\$65
NRM	134		Environmental Issues	T	2.00	3.00	3.00	
BIOS	120	В	Botany	G	2.00	3.00	3.00	\$40
COMM	122	Р	Communications II	G	3.00	0.00	3.00	\$20
MATH MICS	108 N 121 A		Introduction to Algebra for Natural Resources	G	3.00	1.00	3.00	\$16
NRM	169		Microsoft Office – Word Processing Natural Resources Exposition I (Optional)	G T	1.00	1.00	1.00	\$15
1411171	105		Matural Mesources Exposition (Optional)	'	<u>0.00</u> 13.00	<u>1.50</u> 15.00-16.50	<u>0.50</u> 18.00-18.50	
Second Q	uarter				13.00	15.00-16.50	10.00-10.50	
Course No			Course Name	Type	Class	<u>Lab</u>	Credit	Course Fee
NRM	120		Woodshop	T	0.00	3.00	1.00	\$60
NRM	121		Winter Dendrology	T	2.00	3.00	3.00	\$10
NRM	125		Map Reading and Interpretation	T	2.00	2.00	2.00	
WLM	156		Wildlife Investigative Techniques I	Ţ	2.00	3.00	3.00	\$35
BIOS	170		Zoology	G	2.00	3.00	3.00	\$40
MICS NRM	121 B 114		Microsoft Office (Database) Recreation Employment Seminar	G	1.00	1.00	1.00	\$15
SOCI	000		Social Science Elective (Required)	G G	1.00 3.00	1.00 <u>0.00</u>	1.00	
3001			Social Science Elective (Nequireu)	G	13.00	16.00	3.00 17.00	
Third Qua	rter				13.00	10.00	17.00	
Course No			Course Name	Type	Class	<u>Lab</u>	Credit	Course Fee
BIOS	268		Ichthyology	T	2.00	3.00	3.00	COUITE I CC
NRM	113		Watercraft Operation and Maintenance	T	0.00	4.00	2.00	\$75
NRM	123		Surveying and Mapping I	T	2.00	3.00	3.00	\$15
WLM	245		Wildlife Investigative Techniques II	T	2.00	3.00	3.00	\$35
BIOS	132		Field Biology	G	2.00	3.00	3.00	\$25
MATH	110	Р	Geometry and Trigonometry	G	3.00	1.00	3.00	\$16
MICS	121 C		Microsoft Office - Spreadsheet	G	1.00	1.00	1.00	\$15
Summer C	)uarter				12.00	18.00	18.00	
Course No			Course Name	Type	Class	<u>Lab</u>	Credit	Course Fee
WLM	294		Wildlife Management Cooperative Work	T	2.00	40.00	6.00	Course ree
			Experience		2.00	10.00	0.00	
			or					
WLM	296		Wildlife Management Practicum	T	1.00	7.00	2.00	
					1.00-2.00	7.00-40.00	2.00- 7.00	
Fourth Qu Course No	arter							
			Course Name	<u>Type</u>	Class	<u>Lab</u>	Credit	Course Fee
NRM NRM	210 217		Woodland Ecology	Ţ	2.00	3.00	3.00	40=
WLM	217		Aquatic Ecology Wildlife Management I	T T	2.00 2.00	3.00 3.00	3.00	\$25
COMM	210			Ġ	3.00	0.00	3.00 3.00	\$10 \$20
	123	P	Communications III					\$ZU
	123 101	Р	Communications III Geology					\$25
GEOL	123 101 105	Р	Geology	G	2.00	3.00	3.00	\$25
	101	Р				3.00 3.00	3.00 3.00	\$25
GEOL GEOL	101 105	Р	Geology Soils	G G	2.00 2.00	3.00	3.00	\$25
GEOL GEOL NRM NRM	101 105 269	Р	Geology Soils Natural Resources Exposition II (Optional)	G G T	2.00 2.00 0.00	3.00 3.00 1.50	3.00 3.00 0.50-2.00	\$25
GEOL GEOL NRM NRM	101 105 269 •••	P	Geology Soils Natural Resources Exposition II (Optional) Recreation Elective (Optional)	G G T T	2.00 2.00 0.00 <u>0.00</u> 13.00	3.00 3.00 1.50 <u>0.00</u> 15.00-16.50	3.00 3.00 0.50-2.00 <u>0.25-3.00</u> 18.00-23.00	·
GEOL GEOL NRM NRM Fifth Quar Course No	101 105 269 ••• rter	P	Geology Soils Natural Resources Exposition II (Optional) Recreation Elective (Optional)  Course Name	G G T T	2.00 2.00 0.00 0.00 13.00	3.00 3.00 1.50 0.00 15.00-16.50	3.00 3.00 0.50-2.00 <u>0.25-3.00</u> 18.00-23.00 <u>Credit</u>	Course Fee
GEOL GEOL NRM NRM Fifth Quar Course No FMAQ	101 105 269 ••• rter	Р	Geology Soils Natural Resources Exposition II (Optional) Recreation Elective (Optional)  Course Name Fish Management I	G G T T T	2.00 2.00 0.00 0.00 13.00 Class 2.00	3.00 3.00 1.50 0.00 15.00-16.50 Lab 3.00	3.00 3.00 0.50-2.00 <u>0.25-3.00</u> 18.00-23.00 <u>Credit</u> 3.00	Course Fee \$15
GEOL GEOL NRM NRM Fifth Quar Course No FMAQ CHEM	101 105 269 ••• rter 221 131	P	Geology Soils Natural Resources Exposition II (Optional) Recreation Elective (Optional)  Course Name Fish Management I Environmental Chemistry	G G T T T <u>Type</u> T G	2.00 2.00 0.00 0.00 13.00 Class 2.00 3.00	3.00 3.00 1.50 0.00 15.00-16.50 Lab 3.00 3.00	3.00 3.00 0.50-2.00 0.25-3.00 18.00-23.00 <u>Credit</u> 3.00 4.00	<u>Course Fee</u> \$15 \$30
GEOL GEOL NRM NRM Fifth Quar Course No FMAQ CHEM COMM	101 105 269 ••• rter 221 131 135	P	Geology Soils Natural Resources Exposition II (Optional) Recreation Elective (Optional)  Course Name Fish Management I Environmental Chemistry Verbal Career Skills	G G T T T <u>Type</u> T G G	2.00 2.00 0.00 0.00 13.00 Class 2.00 3.00 3.00	3.00 3.00 1.50 0.00 15.00-16.50 Lab 3.00 3.00 0.00	3.00 3.00 0.50-2.00 0.25-3.00 18.00-23.00 <u>Credit</u> 3.00 4.00 3.00	<u>Course Fee</u> \$15 \$30 \$10
GEOL GEOL NRM NRM Fifth Qual Course No FMAQ CHEM COMM EM	101 105 269 ••• rter 221 131 135 129		Geology Soils Natural Resources Exposition II (Optional) Recreation Elective (Optional)  Course Name Fish Management I Environmental Chemistry Verbal Career Skills First Responder	G G T T T T G G G	2.00 2.00 0.00 0.00 13.00 Class 2.00 3.00 3.00 1.00	3.00 3.00 1.50 0.00 15.00-16.50 Lab 3.00 3.00 0.00 3.00	3.00 3.00 0.50-2.00 0.25-3.00 18.00-23.00 Credit 3.00 4.00 3.00 2.00	Course Fee \$15 \$30 \$10 \$50
GEOL GEOL NRM NRM Fifth Quar Course No FMAQ CHEM COMM	101 105 269 ••• rter 221 131 135	P	Geology Soils Natural Resources Exposition II (Optional) Recreation Elective (Optional)  Course Name Fish Management I Environmental Chemistry Verbal Career Skills	G G T T T <u>Type</u> T G G	2.00 2.00 0.00 0.00 13.00 Class 2.00 3.00 3.00	3.00 3.00 1.50 0.00 15.00-16.50 Lab 3.00 3.00 0.00	3.00 3.00 0.50-2.00 0.25-3.00 18.00-23.00 <u>Credit</u> 3.00 4.00 3.00	<u>Course Fee</u> \$15 \$30 \$10
GEOL GEOL NRM NRM Fifth Qual Course No FMAQ CHEM COMM EM	101 105 269 ••• rter 221 131 135 129		Geology Soils Natural Resources Exposition II (Optional) Recreation Elective (Optional)  Course Name Fish Management I Environmental Chemistry Verbal Career Skills First Responder Communications IV	G G T T T T G G G G	2.00 2.00 0.00 0.00 13.00 Class 2.00 3.00 3.00 1.00 3.00	3.00 3.00 1.50 0.00 15.00-16.50 Lab 3.00 3.00 0.00 3.00 0.00	3.00 3.00 0.50-2.00 0.25-3.00 18.00-23.00 Credit 3.00 4.00 3.00 2.00 3.00	Course Fee \$15 \$30 \$10 \$50 \$20
GEOL GEOL NRM NRM Fifth Quar Course No FMAQ CHEM COMM EM COMM	101 105 269 ••• rter 221 131 135 129 124	P	Geology Soils Natural Resources Exposition II (Optional) Recreation Elective (Optional)  Course Name Fish Management I Environmental Chemistry Verbal Career Skills First Responder Communications IV or	G G T T T T G G G	2.00 2.00 0.00 0.00 13.00 Class 2.00 3.00 3.00 1.00	3.00 3.00 1.50 0.00 15.00-16.50 Lab 3.00 3.00 0.00 3.00	3.00 3.00 0.50-2.00 0.25-3.00 18.00-23.00 Credit 3.00 4.00 3.00 2.00	Course Fee \$15 \$30 \$10 \$50
GEOL GEOL NRM NRM Fifth Quar Course No FMAQ CHEM COMM EM COMM COMM	101 105 269 ••• rter 221 131 135 129 124	P	Geology Soils Natural Resources Exposition II (Optional) Recreation Elective (Optional)  Course Name Fish Management I Environmental Chemistry Verbal Career Skills First Responder Communications IV or Technical Writing	G G T T T T T G G G G	2.00 2.00 0.00 0.00 13.00 Class 2.00 3.00 3.00 1.00 3.00	3.00 3.00 1.50 0.00 15.00-16.50 Lab 3.00 3.00 0.00 3.00 0.00	3.00 3.00 0.50-2.00 0.25-3.00 18.00-23.00 Credit 3.00 4.00 3.00 2.00 3.00	Course Fee \$15 \$30 \$10 \$50 \$20
GEOL GEOL NRM NRM Fifth Quar Course No FMAQ CHEM COMM EM COMM COMM NRM Sixth Qua	101 105 269 ••• rter 221 131 135 129 124 225 •••	P	Geology Soils Natural Resources Exposition II (Optional) Recreation Elective (Optional)  Course Name Fish Management I Environmental Chemistry Verbal Career Skills First Responder Communications IV or Technical Writing Recreation Elective (Optional)	G G T T T T G G G G G	2.00 2.00 0.00 0.00 13.00 Class 2.00 3.00 1.00 3.00 3.00	3.00 3.00 1.50 0.00 15.00-16.50 Lab 3.00 3.00 0.00 3.00 0.00 0.00 9.00	3.00 3.00 0.50-2.00 0.25-3.00 18.00-23.00 Credit 3.00 4.00 3.00 2.00 3.00 3.00 0.25-3.00 15.00-18.00	Course Fee \$15 \$30 \$10 \$50 \$20
GEOL GEOL NRM NRM Fifth Quar Course No FMAQ CHEM COMM EM COMM COMM NRM Sixth Qua Course No	101 105 269 ••• rter 221 131 135 129 124 225 •••	P	Geology Soils Natural Resources Exposition II (Optional) Recreation Elective (Optional)  Course Name Fish Management I Environmental Chemistry Verbal Career Skills First Responder Communications IV or Technical Writing Recreation Elective (Optional)	G G T T  Type G G G T T  Type	2.00 2.00 0.00 0.00 13.00 Class 2.00 3.00 3.00 1.00 3.00 3.00 0.00 12.00	3.00 3.00 1.50 0.00 15.00-16.50  Lab 3.00 0.00 3.00 0.00 0.00 0.00 0.00 0.0	3.00 3.00 0.50-2.00 0.25-3.00 18.00-23.00 Credit 3.00 4.00 3.00 2.00 3.00 0.25-3.00 15.00-18.00 Credit	Course Fee \$15 \$30 \$10 \$50 \$20 \$20
GEOL GEOL NRM NRM Fifth Quar Course No FMAQ CHEM COMM EM COMM COMM Sixth Qua Course No FOR	101 105 269 ••• rter 221 131 135 129 124 225 •••	P	Geology Soils Natural Resources Exposition II (Optional) Recreation Elective (Optional)  Course Name Fish Management I Environmental Chemistry Verbal Career Skills First Responder Communications IV or Technical Writing Recreation Elective (Optional)  Course Name Introduction to Forestry	G G T T  Type G G G G T T	2.00 2.00 0.00 0.00 13.00 2.00 3.00 3.00 1.00 3.00 3.00 0.00 12.00	3.00 3.00 1.50 0.00 15.00-16.50  Lab 3.00 3.00 0.00 3.00 0.00 0.00 0.00 9.00  Lab 3.00	3.00 3.00 0.50-2.00 0.25-3.00 18.00-23.00 Credit 3.00 4.00 3.00 2.00 3.00 0.25-3.00 15.00-18.00 Credit 3.00	Course Fee \$15 \$30 \$10 \$50 \$20 \$20
GEOL GEOL NRM NRM Fifth Quar Course No FMAQ CHEM COMM EM COMM NRM Sixth Qua Course No FOR INTP	101 105 269 ••• reter 221 131 135 129 124 225 ••• reter 222	P	Geology Soils Natural Resources Exposition II (Optional) Recreation Elective (Optional)  Course Name Fish Management I Environmental Chemistry Verbal Career Skills First Responder Communications IV or Technical Writing Recreation Elective (Optional)  Course Name Introduction to Forestry Interpretive Methods	G G T T  Type T G G G T T  Type T	2.00 2.00 0.00 0.00 13.00  Class 2.00 3.00 1.00 3.00 0.00 12.00  Class 2.00 0.00 12.00	3.00 3.00 1.50 0.00 15.00-16.50  Lab 3.00 3.00 0.00 0.00 0.00 0.00 9.00  Lab 3.00 3.00	3.00 3.00 0.50-2.00 0.25-3.00 18.00-23.00 Credit 3.00 4.00 3.00 2.00 3.00 0.25-3.00 15.00-18.00 Credit 3.00 3.00	Course Fee \$15 \$30 \$10 \$50 \$20 \$20 \$20
GEOL GEOL NRM NRM Fifth Quar Course No FMAQ CHEM COMM EM COMM COMM Sixth Qua Course No FOR INTP NRM	101 105 269 ••• rter 221 131 135 129 124 225 •••	P	Geology Soils Natural Resources Exposition II (Optional) Recreation Elective (Optional)  Course Name Fish Management I Environmental Chemistry Verbal Career Skills First Responder Communications IV or Technical Writing Recreation Elective (Optional)  Course Name Introduction to Forestry Interpretive Methods Recreation Area Maintenance	G G T T  Type T G G G T T  Type T T Type T	2.00 2.00 0.00 0.00 13.00  Class 2.00 3.00 1.00 3.00 0.00 12.00  Class 2.00 0.00 0.00 0.00 0.00	3.00 3.00 1.50 0.00 15.00-16.50  Lab 3.00 3.00 0.00 0.00 0.00 0.00 0.00 0.0	3.00 3.00 0.50-2.00 0.25-3.00 18.00-23.00  Credit 3.00 4.00 3.00 2.00 3.00 0.25-3.00 15.00-18.00  Credit 3.00 0.25-3.00 15.00-18.00  Credit 3.00 2.00 3.00	Course Fee \$15 \$30 \$10 \$50 \$20 \$20 \$20 \$25 \$65
GEOL GEOL NRM NRM NRM Fifth Quai Course No FMAQ CHEM COMM EM COMM COMM Sixth Qua Course No FOR INTP NRM BIOS	101 105 269 ••• rter 221 131 135 129 124 225 ••• rter 222 115 222 271	P	Geology Soils Natural Resources Exposition II (Optional) Recreation Elective (Optional)  Course Name Fish Management I Environmental Chemistry Verbal Career Skills First Responder Communications IV or Technical Writing Recreation Elective (Optional)  Course Name Introduction to Forestry Interpretive Methods Recreation Area Maintenance Ornithology	G G T T  Type G G G T  Type T G G G T  Type T G G G	2.00 2.00 2.00 0.00 0.00 13.00  Class 2.00 3.00 3.00 1.00 3.00 0.00 12.00  Class 2.00 0.00 0.00 0.00 0.00 0.00 0.00 0.	3.00 3.00 1.50 0.00 15.00-16.50  Lab 3.00 0.00 3.00 0.00 0.00 0.00 9.00  Lab 3.00 3.00 4.00 3.00	3.00 3.00 0.50-2.00 0.25-3.00 18.00-23.00  Credit 3.00 4.00 3.00 2.00 3.00 0.25-3.00 15.00-18.00  Credit 3.00 3.00 3.00 3.00 3.00 3.00 3.00 3.0	Course Fee \$15 \$30 \$10 \$50 \$20 \$20 \$20 \$25 \$65 \$10
GEOL GEOL NRM NRM Fifth Quar Course No FMAQ CHEM COMM EM COMM COMM Sixth Qua Course No FOR INTP NRM	101 105 269 ••• rter 221 131 135 129 124 225 •••	P	Geology Soils Natural Resources Exposition II (Optional) Recreation Elective (Optional)  Course Name Fish Management I Environmental Chemistry Verbal Career Skills First Responder Communications IV or Technical Writing Recreation Elective (Optional)  Course Name Introduction to Forestry Interpretive Methods Recreation Area Maintenance	G G T T  Type T G G G T T  Type T T Type T	2.00 2.00 0.00 0.00 13.00  Class 2.00 3.00 1.00 3.00 0.00 12.00  Class 2.00 0.00 0.00 0.00 0.00	3.00 3.00 1.50 0.00 15.00-16.50  Lab 3.00 3.00 0.00 0.00 0.00 0.00 0.00 0.0	3.00 3.00 0.50-2.00 0.25-3.00 18.00-23.00  Credit 3.00 4.00 3.00 2.00 3.00 0.25-3.00 15.00-18.00  Credit 3.00 0.25-3.00 15.00-18.00  Credit 3.00 2.00 3.00	Course Fee \$15 \$30 \$10 \$50 \$20 \$20 \$20 \$25 \$65
GEOL GEOL NRM NRM NRM Fifth Quai Course No FMAQ CHEM COMM EM COMM COMM Sixth Qua Course No FOR INTP NRM BIOS	101 105 269 ••• rter 221 131 135 129 124 225 ••• rter 222 115 222 271	P	Geology Soils Natural Resources Exposition II (Optional) Recreation Elective (Optional)  Course Name Fish Management I Environmental Chemistry Verbal Career Skills First Responder Communications IV or Technical Writing Recreation Elective (Optional)  Course Name Introduction to Forestry Interpretive Methods Recreation Area Maintenance Ornithology Fish Management II	G G T T  Type G G G T  Type T G G G T  Type T G G G	2.00 2.00 2.00 0.00 0.00 13.00  Class 2.00 3.00 3.00 1.00 3.00 0.00 12.00  Class 2.00 0.00 0.00 0.00 0.00 0.00 0.00 0.	3.00 3.00 1.50 0.00 15.00-16.50  Lab 3.00 0.00 3.00 0.00 0.00 0.00 9.00  Lab 3.00 3.00 4.00 3.00	3.00 3.00 0.50-2.00 0.25-3.00 18.00-23.00  Credit 3.00 4.00 3.00 2.00 3.00 0.25-3.00 15.00-18.00  Credit 3.00 3.00 3.00 3.00 3.00 3.00 3.00 3.0	Course Fee \$15 \$30 \$10 \$50 \$20 \$20 \$20 \$25 \$65 \$10
GEOL GEOL NRM NRM NRM Fifth Qual Course No FMAQ CHEM COMM EM COMM COMM Sixth Qua Course No FOR INTP NRM BIOS FMAQ NRM	101 105 269 ••• rter 221 131 135 129 124 225 ••• rter 222 211 115 222 271 238	P	Geology Soils Natural Resources Exposition II (Optional) Recreation Elective (Optional)  Course Name Fish Management I Environmental Chemistry Verbal Career Skills First Responder Communications IV or Technical Writing Recreation Elective (Optional)  Course Name Introduction to Forestry Interpretive Methods Recreation Area Maintenance Ornithology Fish Management II or Conservation Management or	G G T T  Type G G G T  Type T T T T T T T T T T T T T T T T T T T	2.00 2.00 2.00 0.00 0.00 13.00  Class 2.00 3.00 1.00 3.00 1.00 0.00 12.00  Class 2.00 2.00 2.00 2.00 2.00 2.00	3.00 3.00 1.50 0.00 15.00-16.50  Lab 3.00 3.00 0.00 0.00 0.00 0.00 9.00  Lab 3.00 3.00 4.00 3.00 6.00	3.00 3.00 0.50-2.00 0.25-3.00 18.00-23.00  Credit 3.00 4.00 3.00 2.00 3.00 0.25-3.00 15.00-18.00  Credit 3.00 3.00 4.00 3.00 4.00 4.00	Course Fee \$15 \$30 \$10 \$50 \$20 \$20 \$20 \$20 \$20
GEOL GEOL NRM NRM Fifth Quar Course No FMAQ COMM EM COMM COMM Sixth Qua Course No FOR INTP NRM BIOS FMAQ	101 105 269 ••• rter 221 131 135 129 124 225 ••• rter 222 115 222 271 238	P	Geology Soils Natural Resources Exposition II (Optional) Recreation Elective (Optional)  Course Name Fish Management I Environmental Chemistry Verbal Career Skills First Responder Communications IV or Technical Writing Recreation Elective (Optional)  Course Name Introduction to Forestry Interpretive Methods Recreation Area Maintenance Ornithology Fish Management II or Conservation Management	G G T T  Type T G G G T T  Type T T T T T T T T T T T T T T T T T T T	2.00 2.00 2.00 0.00 0.00 13.00  Class 2.00 3.00 3.00 1.00 3.00 0.00 12.00  Class 2.00 2.00 2.00 2.00 2.00 2.00 2.00	3.00 3.00 1.50 0.00 15.00-16.50  Lab 3.00 0.00 3.00 0.00 0.00 0.00 0.00 0.0	3.00 3.00 0.50-2.00 0.25-3.00 18.00-23.00  Credit 3.00 4.00 3.00 2.00 3.00 0.25-3.00 15.00-18.00  Credit 3.00 3.00 4.00 4.00 4.00	Course Fee \$15 \$30 \$10 \$50 \$20 \$20 \$20 \$25 \$65 \$10
GEOL GEOL NRM NRM Fifth Quai Course No FMAQ COMM EM COMM COMM NRM Sixth Qua Course No FOR INTP NRM BIOS FMAQ NRM WLM	101 105 269 ••• rter 221 131 135 129 124 225 ••• rter 222 115 222 271 238 206	P	Geology Soils Natural Resources Exposition II (Optional) Recreation Elective (Optional)  Course Name Fish Management I Environmental Chemistry Verbal Career Skills First Responder Communications IV or Technical Writing Recreation Elective (Optional)  Course Name Introduction to Forestry Interpretive Methods Recreation Area Maintenance Ornithology Fish Management II or Conservation Management or Wildlife Management II	G G T T  Type G G G T  Type T T T T T T T T T T T T T T T T T T T	2.00 2.00 2.00 0.00 0.00 13.00  Class 2.00 3.00 1.00 3.00 1.00 0.00 12.00  Class 2.00 2.00 2.00 2.00 2.00 2.00	3.00 3.00 1.50 0.00 15.00-16.50  Lab 3.00 3.00 0.00 0.00 0.00 0.00 9.00  Lab 3.00 3.00 4.00 3.00 6.00	3.00 3.00 0.50-2.00 0.25-3.00 18.00-23.00  Credit 3.00 4.00 3.00 2.00 3.00 0.25-3.00 15.00-18.00  Credit 3.00 3.00 4.00 3.00 4.00 4.00	Course Fee \$15 \$30 \$10 \$50 \$20 \$20 \$20 \$20 \$20
GEOL GEOL NRM NRM Fifth Quar Course No FMAQ CHEM COMM EM COMM NRM Sixth Qua Course No FOR INTP NRM BIOS FMAQ NRM WLM Technical O	101 105 269 ••• rter 221 131 135 129 124 225 ••• rter 222 115 222 271 238 206 239 Credit Hours	P	Geology Soils Natural Resources Exposition II (Optional) Recreation Elective (Optional)  Course Name Fish Management I Environmental Chemistry Verbal Career Skills First Responder Communications IV or Technical Writing Recreation Elective (Optional)  Course Name Introduction to Forestry Interpretive Methods Recreation Area Maintenance Ornithology Fish Management II or Conservation Management or Wildlife Management II 54.00-67.50	G G T T  Type G G G T  Type T T T T T T T T T T T T T T T T T T T	2.00 2.00 2.00 0.00 0.00 13.00  Class 2.00 3.00 3.00 1.00 3.00 0.00 12.00  Class 2.00 2.00 2.00 2.00 2.00 2.00 2.00	3.00 3.00 1.50 0.00 15.00-16.50  Lab 3.00 0.00 3.00 0.00 0.00 0.00 0.00 0.0	3.00 3.00 0.50-2.00 0.25-3.00 18.00-23.00  Credit 3.00 4.00 3.00 2.00 3.00 0.25-3.00 15.00-18.00  Credit 3.00 3.00 4.00 4.00 4.00	Course Fee \$15 \$30 \$10 \$50 \$20 \$20 \$20 \$20 \$20
GEOL GEOL NRM NRM Fifth Quar Course No FMAQ CHEM COMM EM COMM NRM Sixth Qua Course No FOR INTP NRM BIOS FMAQ NRM WLM Technical O	101 105 269 •••  rter  221 131 135 129 124  225 •••  rter  222 271 238 206 239  Credit Hours edit Hours	P	Geology Soils Natural Resources Exposition II (Optional) Recreation Elective (Optional)  Course Name Fish Management I Environmental Chemistry Verbal Career Skills First Responder Communications IV or Technical Writing Recreation Elective (Optional)  Course Name Introduction to Forestry Interpretive Methods Recreation Area Maintenance Ornithology Fish Management II or Conservation Management or Wildlife Management II	G G T T  Type G G G T  Type T T T T T T T T T T T T T T T T T T T	2.00 2.00 2.00 0.00 0.00 13.00  Class 2.00 3.00 3.00 1.00 3.00 0.00 12.00  Class 2.00 2.00 2.00 2.00 2.00 2.00 2.00	3.00 3.00 1.50 0.00 15.00-16.50  Lab 3.00 0.00 3.00 0.00 0.00 0.00 0.00 0.0	3.00 3.00 0.50-2.00 0.25-3.00 18.00-23.00  Credit 3.00 4.00 3.00 2.00 3.00 0.25-3.00 15.00-18.00  Credit 3.00 3.00 4.00 4.00 4.00	Course Fee \$15 \$30 \$10 \$50 \$20 \$20 \$20 \$20 \$20

Wildlife Management Notes: To complete graduation requirements, students must enroll in REC 296, Recreation & Wildlife Practicum/Seminar (2 credits), or NR 223 Campus Park Management (2 credits), or REC 294 Recreation & Wildlife Coop Work Experience/Seminar (6 credits), at the beginning of any quarter beginning with the third quarter.

# School of Natural Resources Certificates

# Certificates of Completion

### Backpacking and Survival

Objective: To train the student in the techniques, methods, and rules of backpacking including wilderness survival skills.

Course	No.	Course Name	Credits
INTP	250	Backpacking and Survival	3
			3

### Herbal Studies

Objective: To prepare the student for entry level work in botanical field data collection or the herbal industry (growing, sales, organic gardening, products).

Course	No.	Course Name	Credits
NRM	101	Edible and Medicinal Plants	1.5
NRM	138	Art and Science of Herbalism	2
BIOS	141	Advanced Field Botany	2
WLM	162	Winter Weeds	1
NRM	163	Foraging Edible and Medicinal Plants	1.5
			8

#### Nature Art

Objective: To prepare the student for employment in the Natural Resources field. Students will practice creating visual presentations and displays of natural subjects using various media and techniques. Art materials, photographic equipment and presentation hardware are used to provide a well-rounded experience in nature arts.

Course	No.	Course Name	Credits
INTP	231	Nature Painting	1
INTP	254	Nature Drawing I	1
INTP	278	Nature Drawing II	1
INTP	279	Nature Photography	1
			4

# Wilderness Skills I

Objective: To develop skills necessary to: select backpacking equipment and food; develop hiking & cooking skills, & camping techniques; develop wilderness travel & emergency techniques; develop survival skills; develop and use a limited survival kit; develop survival skills for mountain, desert, arctic, tropical & ocean areas; live & travel comfortably in remote areas.

Course	No.	Course Name	Credits
INTP	250	Backpacking and Survival	3
RNGR	275	Advanced Survival Techniques	3
			6

# Wilderness Skills II

Objective: To develop advanced wilderness skills in wilderness travel and emergency techniques, and survival skills for mountain, desert, arctic, tropical, and ocean areas.

Course N	lo.	Course Name	Credits		
RNGR	126	Search and Rescue Introduction	1		
INTP	258	Winter Camping and Survival	3		
RNGR	270	Land Navigation	1		
RNGR	160	Survival Techniques for Wilderness Areas	3		
SUPR	236	Outdoor Leadership Skills	1		
			9		

# Occupational Certificates

# Apprentice Field Operator

Objective: To prepare the student for a position as an apprentice field operator.

Course		Course Name	Credits
ERT	101	Equipment Operations I	6
ERT	102	Equipment Operations II	6
ERT	103	Equipment Operations III	6

ERT	204	Equipment Operations IV	6
ERT	205	Equipment Operations V	6
ERT	206	Equipment Operations VI	<u>6</u>
			36

# Apprentice Field Operator

Objective: To prepare the student for a position as an apprentice field operator with heavy equipment maintenance and repair.

operato	· With heav	y equipment manitemance and repair.	
Course	No.	Course Name	Credits
ERT	101	Equipment Operations I	6
ERT	102	Equipment Operations II	6
ERT	103	Equipment Operations III	6
ERT	107	Heavy Equipment Maintenance and Repair I	2
ERT	108	Heavy Equipment Maintenance and Repair II	2
ERT	109	Heavy Equipment Maintenance and Repair III	2
ERT	204	Equipment Operations IV	6
ERT	205	Equipment Operations V	6
ERT	206	Equipment Operations VI	<u>6</u>
			12

# Apprentice Field Operator Reclamation

Objective: To prepare the student for a position as an apprentice field operator with reclamation.

Course N	0.	Course Name	Credits
ERT	101	Equipment Operations I	6
ERT	102	Equipment Operations II	6
ERT	103	Equipment Operations III	6
ERT	107	Heavy Equipment Maintenance and Repair I	2
ERT	108	Heavy Equipment Maintenance and Repair II	2
ERT	109	Heavy Equipment Maintenance and Repair III	2
ERT	204	Equipment Operations IV	6
ERT	205	Equipment Operations V	6
ERT	206	Equipment Operations VI	6
NR	175	Commercial Driver License 40 Hour	2
NR	222	Reclamation	3
NRM	123	Survey and Mapping I	3
BIOS	105	Soils	3
			53

## Aquaculture and Fish Hatchery Aide

Objective: To prepare the student for work as a technician on a public or private fish production facility and to prepare the student to become self-employed in the field of aquaculture and fish production.

Course	No.	Course Name	Credits
PMAQ	110	Fish Culture I	4
FMAQ	112	Fish Culture II	4
FMAQ	114	Fish Culture III	4
FMAQ	115	Hatchery Maintenance (Structure)	3
FMAQ	117	Hatchery Maintenance (Hydraulics)	3
FMAQ	119	Hatchery Maintenance (Welding)	2
FMAQ	210	Aquatic Plants and Control	3
CHEM	131	Environmental Chemistry	4
BIOS	268	Ichthyology	3
NRM	217	Aquatic Ecology	3
FMAQ	221	Fish Management I	3
FMAQ	271	Fish Pathology	3
			39

### Archaeological Laboratory Methods

Objective: To prepare the student for volunteer work at an archaeological site.

Cal Site.			
Course N	<u>lo.</u>	Course Name	Credits
ARCH	101	Principles of Archaeology	4
ARCH	102	World Prehistory	4
ARCH	103	North American Prehistory	5
ARCH	104	Archaeology Lab Methods: Lithics	2
ARCH	214	Archaeology Lab Methods:	2
		Zooarchaeology	
ARCH	216	Archaeology Lab Methods: Prehistory	2
			19

### Archaeological Field Methods

Objective: To prepare the student for volunteer work at an archaeological site.

car sicci			
Course	No.	Course Name	Credits
ARCH	101	Principles of Archaeology	4
ARCH	102	World Prehistory	4
ARCH	103	North American Prehistory	5
ARCH	201	Archaeological Field Methods:	<u>12</u>
		Surveying	25

# Backcountry Horse I

Objective: To provide an acceptable level of skills and competency necessary for employment in the horse industry.

Course 1	No.	Course Name	Credits
EQSI	103	Horse Care Handling	3
EQSI	110	Horsemanship I: Beginning Riding	3
EQSI	115	Horsemanship II: Intermediate Riding	3
EQSI	120	Horsemanship III: Advanced Trail	3
		Riding	
EQSI	200	Horse Packing	3
EQSI	210	Horseshoeing I	3
		-	10

### Backcountry Horse II

Objective: To provide an acceptable level of technical competency which will permit specialized skills for entry into the horsemanship field. Prerequisite: Backcountry Horse I certificate.

	e. equipice.	Ducheoutier, Fronte Feer enreader		
Course No.		Course Name	Credits	
EQSI	230	Team Driving I	3	
EQSI	266	Equine Sports Massage	3	
EQSI	201	Horse Program Management	3	
EQSI	240	Colt Training I	3	
EQSI	150	Leathercraft I	3	
EQSI	225	Campus Park Patrol	3	
EQSI	250	Teaching Horseback Riding	3	
EQSI	215	Horseshoeing II	3	
EM	129	First Responder	2	
EQSI	255	Advanced Packing and Wilderness	4	
		Skills	30	

# Fisheries Conservation Aide

Objective: To provide an acceptable level of technical competency which will permit entry into the fisheries management field.

Course No.			Course Name	Credits	
CHEM	131		Environmental Chemistry	4	
BIOS	268		Ichthyology	3	
NRM	217		Aquatic Ecology	3	
FMAQ	221		Fish Management I	3	
FMAQ	238		Fish Management II	4	
MATH	110	Р	Geometry and Trigonometry	<u>3</u>	
				20	

### Forester's Aide

Objective: To provide an acceptable level of technical competency which will permit entry into the forestry field.

**********	··· pc····	ic circi y	mito the forestry metal	
Course N	10.		Course Name	Credits
FOR	111		Forest Dendrology	3
FOR	113		Reforestation and Pesticides II	3
FOR	120		Photo Interpretation	3
FOR	123		Forest Measurements	4
FOR	124		Forest Ecology	3
FOR	210		Forest Mensuration	4
FOR	211		Timber Harvesting	3
FOR	220		Applied Silviculture	4
FOR	231		Forest Products Utilization	3
BIOS	127		Forest Soils	3
FOR	131		Forest Entomology and Pathology	4
EM	134	Ρ	Standard First Aid	1
MATH	108	P	Introduction to Algebra	3
MATH	110	Р	Geometry and Trigonometry	3
MICS	121		Microsoft Office	3
FOR	149		Basic Wildland Fire Fighting	2
COMM	122	Р	Communications II	<u>3</u> 52
				52

# Geographic Information and Global Positioning Systems

Objective: To prepare the student for entry level job placement in the Geographic Information and Global Positioning Systems field.

Course N	lo.		Course Name	Credits
GEO	100		Introduction to GIS	2
GEO:	102		Introduction to GPS	2
GEO	103		Computing in GIS	1
MATH	108	Р	Introduction to Algebra	3
NRM	125		Map Reading and Interpretation	2
GE0	101		Intermediate GIS	3
GE0	120		Cartography	3
NRM	123		Surveying and Mapping I	3
GEO	200		Applications in GIS	3
GE0	203		GPS Data Acquisition	3
GEOG	201		Geography	3
				28

# Park Maintenance

Course No.		Course Name	Credits	
NRM	110	Chain Saw Operation	1	
NRM	120	Woodshop	1	
NRM	130	Recreation Area Equipment	1	
NRM	222	Recreation Area Maintenance	2	
ERT	111	Diesel, Gas, Small Engine Repair	3	

### Timber Harvesting and Tree Care Level I

Timoer riarresting and free care bever				
Course	No.	Course Name	Credits	
THTC	100	Timber Harvesting and Tree Care I	6	
THTC	101	Timber Harvesting and Tree Care II	6	
THTC	102	Timber Harvesting and Tree Care III	6	
		*	10	

# Timber Harvesting and Tree Care Level II

Course	No.	Course Name	Credits
FOR	103	Introduction to Timber Stand	2
		Improvement	
FOR	104	Introduction to Tree Planting	1
THTC	100	Timber Harvesting and Tree Care I	6
THTC	101	Timber Harvesting and Tree Care II	6
THTC	102	Timber Harvesting and Tree Care III	6
FOR	109	Introduction to Forest Dendrology	2
		-	23

### Water Adventure Leader

Objective: To prepare the individual to lead water adventure travel outings.

Course	No.	Course Name	Credits
EC0	146	Rafting	2
ECO	154	Canoeing II - Whitewater	2
ECO	155	Whitewater Rescue	1
EC0	180	Kayaking I - Fundamentals	1
ECO	181	Kayaking II - Whitewater	2
EC0	144	Canoeing I - Fundamentals	1
ECO	183	Low Impact Camping Equipment	1
EC0	283	Adventure Leadership – Flatwater Paddling	5
ECO	287	or Adventure Leadership – Whitewater Paddling	<u>5</u> 15

# Wilderness Adventure Travel Leader

Objective: To prepare the individual to lead wilderness adventure travel outings.

Course	No.	Course Name	Credits
RNGR	123	Rappelling and Rope Techniques	1.5
EC0	128	Basic Rock Climbing	1.5
RNGR	226	Vertical Rope Rescue	1.25
ECO	178	Ropes Course Facilitation	2
ECO.	188	Camping Equipment and Backpacking	3
EC0	289	Adventure Leadership - Backpacking	<u>5</u>
		, , , ,	14.25

Wilderness Skills and Adventure Leadership – Water Concentration Objective: The student will be able to equip themselves and others for wilderness paddling trips on flat and white water; will be able to paddle a canoe, kayak, or raft in white water, up to Class III difficulty;

and will have the leadership skills to take competent paddlers into the wilderness, on sheltered lakes and whitewater, up to Class II difficulty.

	macrices, on sheltered lakes and whitewater, up to class if the				
Course No.			Course Name	Credits	
	EC0	144	Canoeing I - Fundamentals	1	
	ECO	146	Rafting	2	
	ECO	154	Canoeing II - Whitewater	2	
	ECO	155	Whitewater Rescue	1	
	ECO	180	Kayaking I – Fundamentals	1	
	ECO	181	Kayaking II - Whitewater	2	
	EC0	183	Low Impact Camping Equipment	1	
	EC0	229	Wilderness First Responder	3	
	EC0	283	Adventure Leadership - Flatwater Paddling	5	
			or		
	EC0	287	Adventure Leadership - Whitewater Paddling	<u>5</u> 18	

# Wilderness Skills and Adventure Leadership - Land Concentration

Objective: Upon completion of this program, the student will be able to outfit themselves and others for three-season travel over varied terrain; will be capable of self sufficient travel in remote situations; and will be able to competently and confidently lead others in wilderness areas, being responsible for the participants' physical , mental, and emotional well being.

Course No.		Course Name	Credits
RNGR	123	Rappelling and Rope Techniques	1.5
RNGR	226	Vertical Rope Rescue	1.25
ECO	128	Basic Rock Climbing	1.5
EC0	178	Ropes Course Facilitation	2
EC0	188	Camping Equipment and Backpacking	3
EC0	289	Adventure Leadership - Backpacking	5
EC0	229	Wilderness First Responder	3
		·	17.25

# Wildlife Conservation Aide I

Objective: To provide an acceptable level of technical competency which will permit entry into the wildlife management field.

Course	No.	Course Name	Credits
WLM	156	Wildlife Investigation Techniques I	3
WLM	200	Wildlife Field Research	3
WLM	215	Wildlife Management I	3
WLM	239	Wildlife Management II	4
WLM	110	Chain Saw Operation	1
WLM	130	Recreation Area Equipment	1
			15

# Wildlife Conservation Aide II

Objective: To provide an acceptable level of technical competency which will permit entry into the wildlife management field.

in perme end in the the interest and inches					
	Course N	lo.	Course Name	Credits	
	EM	129	First Responder	2	
	FOR	149	Basic Wildland Fire Fighting	2	
	WLM	249	Western Game Animals	3	
	WLM	251	Ecology and Management of	3	
			Waterfowl		
	RNGR	270	Land Navigation	1	
	NRM	120	Woodshop	1	
	NRM	222	Recreation Area Maintenance	2	
	RNGR	160	Survival Techniques for Wilderness	3	
			Areas		
	GEOL	105	Soils	3	
				20	

# Wood Procurement

Objective: To provide an acceptable level of technical competency which will permit entry into the wood procurement field.

which wi	Il permit entry	into the wood procurement field.	
Course N	<u>lo.</u>	Course Name	Credits
FOR	120	Photo Interpretation	3
FOR	123	Forest Measurements	4
FOR	210	Forest Mensuration	4
FOR	211	Timber Harvesting	3
FOR	226	Production Analysis	3
FOR	276	Best Management Practices	1
		-	18

# **Technologist Certificates**

### **Environmental Restoration**

Course	No.		Course Name	Credits
ERT	112		Resource Conservation	3
NRM	124		Surveying and Mapping II	3
NRM	176		Wetlands Determination	3
NRM	134		Environmental Issues	3
ACC	100	Р	Accounting I	3
BUS	100	Р	Small Business Management I	3
			-	18

# School of Public Safety Services

# Technical Programs

Programs leading to an Associate Degree, Diploma or Technologist Certification.

Fire and Emergency Services Human Services and Corrections Juvenile Services and Corrections Police Science

# Certificate Programs

Programs providing specific technical skills.

# Certificate of Completion

Awarded for successful completion of a course or series of courses (less than twelve credit hours) leading to acquisition of specific knowledge and skills.

Dispatcher Training Emergency Response to Hazardous Materialsr Emergency Response to Hazardous Materials

# Occupational Certificate

Awarded for successful completion of twelve or more credit hours in which the individual acquires knowledge and skills that are directly applicable to specific entry level employment.

Certified Ohio EMT Paramedic (5-3-002) Fire Fighter Fire Science Ohio Peace Officer Basic Training Professional Fire Fighter Public Safety Services Officer Level I Public Safety Services Officer Level II

# Technical Certificate

Awarded for successful completion of a prescribed sequence of courses within the given technology in which the certificate is offered. The total credit hours are at least 50% of the number required for the associate degree in that technology. The technical component is 27–33 guarter hours with the balance being in general courses.

Fire Science

# Certificates of Concentration

Awarded for successful completion of a coherent set of courses which complement the associate degree and enable the learner to acquire skills in a specific area (e.g. medical office management, chemical dependency counselor).

Adult Services Certification Chemical Dependency Counselor Juvenile Service Social Worker Assistant

# Fire and Emergency Services For students entering June, 2002 through May, 2003

First Quarter Course No. FS 105 FS 110 HLTH 102 Q MATH 108 H PSYC 150 FS •••	Р	Course Name Orientation to Fire Services Fire Fighter I Health and Physical Education Introduction to Algebra for Health Introduction to Psychology Fire Science Elective (Required)	Type T T G G G T	Class 2.00 4.00 0.00 3.00 3.00 0.00 12.00	<u>Lab</u> 0.00 11.00 3.00 1.00 0.00 0.00 15.00	Credit 2.00 7.00 1.00 3.00 3.00 2.00 18.00	Course Fee \$10 \$275 \$10 \$16 \$7
Second Quarter           Course No.           FS         116           FS         253           FS         296           EM         100           EM         213		Course Name Fire Prevention and Investigation Techniques Fire Hydraulics Fire Science Practicum Emergency Victim Care (EMT-B) Public Administration, Relations, and Education	Type T T T G G	Class 2.00 3.00 1.00 5.00 2.00	<u>Lab</u> 3.00 0.00 7.00 7.00 3.00 13.00	Credit 3.00 3.00 2.00 7.00 3.00 20.00	Course Fee \$20 \$20 \$40 \$115 \$20 18.00
Third Quarter Course No. FS 115 CHEM 100 COMM 122 MICS 144 FS •••	Р	Course Name Fire Fighter II Introduction to Chemistry I Communications II Introduction to Word Fire Science Elective (Required)	Type T G G G T	Class 4.00 3.00 3.00 1.00 0.00 11.00	Lab 11.00 2.00 0.00 1.00 0.00 14.00	Credit 7.00 3.00 3.00 1.00 2.00 16.00	Course Fee \$300 \$30 \$20 \$30
Summer Quarter Course No. See your advisor regardi	ng cours	<u>Course Name</u> e offerings.	Туре	Class	<u>Lab</u>	Credit	Course Fee
Fourth Quarter Course No. EM 102 EM 107 BIOS 112 SOCI 153		Course Name Defensive Driving and Emergency Vehicle Operation Introduction to Paramedic The Human Organism Social and Cultural Awareness	Type T T G G	Class 1.00 2.00 3.00 4.00 10.00	<u>Lab</u> 2.00  9.00 2.00  0.00 13.00	Credit 1.00 5.00 3.00 4.00 13.00	Course Fee \$150 \$200 \$30 \$7
Fifth Quarter Course No. EM 110 BIOS 113 COMM 123	P	Course Name EMT Paramedic I Anatomy and Physiology I Communications III	<u>Type</u> T G G	<u>Class</u> 6.00 3.00 3.00 12.00	<u>Lab</u> 12.00 2.00 0.00 14.00	Credit 10.00 3.00 3.00 16.00	<u>Course Fee</u> \$200 \$30 \$20
Sixth Quarter Course No. EM 120 BIOS 114 COMM 130		Course Name EMT Paramedic II Anatomy and Physiology II Speech	<u>Type</u> T G G	Class 7.00 3.00 3.00 13.00	<u>Lab</u> 12.00 2.00 <u>0.00</u> 14.00	Credit 11.00 3.00 3.00 17.00	<u>Course Fee</u> \$200 \$30 \$10
Seventh Quarter Course No. EM 101 EM 113		Course Name EMT Clinical Experience EMT Squad Experience	Type T T	<u>Class</u> 2.00 <u>2.00</u> 4.00	<u>Lab</u> 16.00 16.00 32.00	Credit 6.00 6.00 12.00	<u>Course Fee</u> \$100 \$80
Technical Credit Hours 67.00 General Credit Hours 43.00 Total Credit Hours 110.00							

Fire and Emergency Services Notes: Students must complete FS 110 (Fire Fighter I), and FS 115 (Fire Fighter II) to be eligible to take the certification exam for full-time, paid fire fighter (Level II).

# **Human Services and Corrections**

For students entering June, 2002 through May, 2003

First Qua	arter								
Course N			Course Name	Type	Class	Loh	Cuadit	Ca	
CORR	100		Corrections Helping Professions	<u>Type</u> T	Class	<u>Lab</u>	<u>Credit</u>	Course Fee	
					2.00	2.00	2.00	\$10	
CORR	260		Interviewing Techniques	T	3.00	2.00	3.00	\$25	
JUV	102		Juvenile Delinquency	T	3.00	0.00	3.00		
CJ	100		Criminal Justice Systems	G	3.00	2.00	3.00	\$10	
COMM	122	Р	Communications II	G	3.00	0.00	3.00	\$20	
COMM	150	•	Punctuation and Grammar	Ğ	2.00	0.00		\$10	
COMM	100		Tunctuation and Oranimal	U			2.00	\$10	
					16.00	6.00	16.00		
Second (									
Course N	lo.		Course Name	Type	Class	Lab	Credit	Course Fee	
COMM	123	Р	Communications III	G	3.00	0.00	3.00	\$20	
CORR	122		Civil Law	G	2.00	3.00	3.00	T	
MATH	108 B		Introduction to Algebra for Business	G	3.00	1.00	3.00	\$16	
PSYC	154		Interpersonal Relationships	Ğ	3.00	0.00			
SOCI	160						3.00	\$7	
			Introduction to Sociology	G	3.00	0.00	3.00	\$7	
OAT	180	Р	Keyboarding (Optional)	G	<u>1.00</u>	1.00	1.00	\$25	
					14.00-15.00	4.00-5.00	15.00-16.00		
Third Qu	arter								
Course N			Course Name	Type	Class	Lab	Credit	Course Fee	
CORR	235		Client Documentation and Case Records	T					
					2.00	3.00	3.00	\$25	
COMM	135		Verbal Career Skills	G	3.00	0.00	3.00	\$10	
MICS	121A		Microsoft Office - Word Processing	G	1.00	1.00	1.00	\$15	
PSYC	150	Р	Introduction to Psychology	G	3.00	0.00	3.00	\$7	
SOCI	165		Cross Cultural Studies	G	3.00	0.00	3.00	\$7	
BIOS	100	Р	Health Science - The Human Machine	G	3.00	0.00	3.00	Ψ,	
			or	Ü	5.00	0.00	3.00		
BIOS	101		Environmental Science	G	2.00	0.00	2.00	400	
0103	101		Environmental Science	G	3.00	0.00	3.00	\$20	
					15.00	4.00	16.00		
Summer Quarter									
Summer	Quarter								
Summer Course N			Course Name	Type	Class	Lab	Credit	Course Fee	
Course N	lo.	na cours		<u>Туре</u>	Class	<u>Lab</u>	<u>Credit</u>	Course Fee	
Course N		ng cours		Туре	Class	<u>Lab</u>	Credit	Course Fee	
Course N See your	<u>lo.</u> advisor regardi	ng cours		Туре	Class	<u>Lab</u>	Credit	Course Fee	
Course N See your Fourth O	<mark>lo.</mark> advisor regardi luarter	ng cours	e offerings.	_					
Course N See your Fourth O Course N	<u>lo.</u> advisor regardi luarter lo.		e offerings.  Course Name	Туре	Class	<u>Lab</u>	Credit	Course Fee	
Course N See your Fourth O Course N CJ	lo. advisor regardi luarter lo. 190	ng cours	Course Name Chemical Abuse and Dependency	<u>Type</u> T					
Course N See your Fourth O Course N	<u>lo.</u> advisor regardi luarter lo.		e offerings.  Course Name	Туре	Class	<u>Lab</u>	Credit	Course Fee	
Course N See your Fourth O Course N CJ	lo. advisor regardi luarter lo. 190		Course Name Chemical Abuse and Dependency	<u>Type</u> T	Class 3.00	<u>Lab</u> 2.00 3.00	<u>Credit</u> 3.00 3.00	Course Fee	
Course N See your Fourth O Course N CJ CORR CORR	lo. advisor regardi luarter lo. 190 261 298		Course Name Chemical Abuse and Dependency Approaches to Correctional Counseling Corrections Practicum Orientation	Type T T T	Class 3.00 2.00 1.00	<u>Lab</u> 2.00 3.00 2.00	Credit 3.00 3.00 1.00	Course Fee \$20	
Course N See your Fourth Q Course N CJ CORR CORR EM	lo. advisor regardi duarter lo. 190 261 298 129		Course Name Chemical Abuse and Dependency Approaches to Correctional Counseling Corrections Practicum Orientation First Responder	Type T T T G	Class 3.00 2.00 1.00	Lab 2.00 3.00 2.00 3.00	Credit 3.00 3.00 1.00 2.00	Course Fee	
Course N See your Fourth Q Course N CJ CORR CORR EM CORR	lo. advisor regardi duarter lo. 190 261 298 129 280		Course Name Chemical Abuse and Dependency Approaches to Correctional Counseling Corrections Practicum Orientation First Responder Corrections Current Topics (Optional)	Type T T T G T	Class 3.00 2.00 1.00 1.00 0.25	<u>Lab</u> 2.00 3.00 2.00 3.00 0.00	Credit 3.00 3.00 1.00 2.00 0.25-5.00	Course Fee \$20	
Course N See your Fourth Q Course N CJ CORR CORR EM	lo. advisor regardi duarter lo. 190 261 298 129		Course Name Chemical Abuse and Dependency Approaches to Correctional Counseling Corrections Practicum Orientation First Responder	Type T T T G	Class 3.00 2.00 1.00 1.00 0.25 0.00	<u>Lab</u> 2.00 3.00 2.00 3.00 0.00 0.00	Credit 3.00 3.00 1.00 2.00 0.25-5.00 9.00	Course Fee \$20	
Course N See your Fourth Q Course N CJ CORR CORR EM CORR	lo. advisor regardi duarter lo. 190 261 298 129 280		Course Name Chemical Abuse and Dependency Approaches to Correctional Counseling Corrections Practicum Orientation First Responder Corrections Current Topics (Optional)	Type T T T G T	Class 3.00 2.00 1.00 1.00 0.25	<u>Lab</u> 2.00 3.00 2.00 3.00 0.00	Credit 3.00 3.00 1.00 2.00 0.25-5.00	Course Fee \$20	
Course N See your Fourth Q Course N CJ CORR CORR EM CORR CORR	lo. advisor regardi luarter lo. 190 261 298 129 280		Course Name Chemical Abuse and Dependency Approaches to Correctional Counseling Corrections Practicum Orientation First Responder Corrections Current Topics (Optional)	Type T T T G T	Class 3.00 2.00 1.00 1.00 0.25 0.00	<u>Lab</u> 2.00 3.00 2.00 3.00 0.00 0.00	Credit 3.00 3.00 1.00 2.00 0.25-5.00 9.00	Course Fee \$20	
Course N See your Fourth Q Course N CJ CORR CORR EM CORR CORR	lo. advisor regardi luarter lo. 190 261 298 129 280 •••		Course Name Chemical Abuse and Dependency Approaches to Correctional Counseling Corrections Practicum Orientation First Responder Corrections Current Topics (Optional) HCS Electives (Required)	Type T T T G T	Class 3.00 2.00 1.00 1.00 0.25 0.00	<u>Lab</u> 2.00 3.00 2.00 3.00 0.00 0.00	Credit 3.00 3.00 1.00 2.00 0.25-5.00 9.00	Course Fee \$20	
Course N See your Fourth Q Course N CJ CORR CORR EM CORR CORR	lo. advisor regardi luarter lo. 190 261 298 129 280 •••		Course Name Chemical Abuse and Dependency Approaches to Correctional Counseling Corrections Practicum Orientation First Responder Corrections Current Topics (Optional)	Type T T T G T	Class 3.00 2.00 1.00 1.00 0.25 0.00	<u>Lab</u> 2.00 3.00 2.00 3.00 0.00 0.00	Credit 3.00 3.00 1.00 2.00 0.25-5.00 9.00	Course Fee \$20	
Course N See your Fourth Q Course N CJ CORR CORR EM CORR CORR	lo. advisor regardi luarter lo. 190 261 298 129 280 •••		Course Name Chemical Abuse and Dependency Approaches to Correctional Counseling Corrections Practicum Orientation First Responder Corrections Current Topics (Optional) HCS Electives (Required)	<u>Type</u> T T T T G T	Class 3.00 2.00 1.00 1.00 0.25 0.00 7.00-7.25	Lab 2.00 3.00 2.00 3.00 0.00 0.00 10.00	Credit 3.00 3.00 1.00 2.00 0.25-5.00 9.00 18.00-23.00  Credit	Course Fee \$20 \$50	
Course N See your Fourth O Course N CJ CORR CORR EM CORR CORR CORR Fifth Qui Course N CJ	lo. advisor regardi tuarter lo. 190 261 298 129 280 ••• arter lo. 127		Course Name Chemical Abuse and Dependency Approaches to Correctional Counseling Corrections Practicum Orientation First Responder Corrections Current Topics (Optional) HCS Electives (Required)  Course Name Victim Awareness	Type T T G T T T	Class 3.00 2.00 1.00 1.00 0.25 0.00 7.00-7.25	Lab 2.00 3.00 2.00 3.00 0.00 0.00 10.00	Credit 3.00 3.00 1.00 2.00 0.25-5.00 9.00 18.00-23.00 Credit 3.00	Course Fee \$20 \$50 Course Fee \$10	
Course N Course N CORR CORR EM CORR CORR CORR CORR CORR CORR CORR COR	lo. advisor regardi tuarter lo. 190 261 298 129 280 arter lo. 127 296 A		Course Name Chemical Abuse and Dependency Approaches to Correctional Counseling Corrections Practicum Orientation First Responder Corrections Current Topics (Optional) HCS Electives (Required)  Course Name Victim Awareness Corrections Practicum A	Type T T T G T T T	Class 3.00 2.00 1.00 1.00 0.25 0.00 7.00-7.25 Class 3.00 2.00	Lab 2.00 3.00 2.00 3.00 0.00 0.00 10.00	Credit 3.00 3.00 1.00 2.00 0.25-5.00 9.00 18.00-23.00  Credit 3.00 3.00	Course Fee \$20 \$50	
Course N See your Fourth Q Course N CJ CORR CORR EM CORR CORR CORR CORR CORR COURSE N CJ CORR CORR CORR	lo. advisor regardi luarter lo. 190 261 298 129 280 arter lo. 127 296 A 160		Course Name Chemical Abuse and Dependency Approaches to Correctional Counseling Corrections Practicum Orientation First Responder Corrections Current Topics (Optional) HCS Electives (Required)  Course Name Victim Awareness Corrections Practicum A Group Work Techniques	Type T T G T T T T G T T T	Class 3.00 2.00 1.00 1.00 0.25 0.00 7.00-7.25 Class 3.00 2.00 2.00	Lab 2.00 3.00 2.00 3.00 0.00 0.00 10.00 Lab 0.00 7.00 3.00	Credit 3.00 3.00 1.00 2.00 0.25-5.00 9.00 18.00-23.00  Credit 3.00 3.00 3.00	Course Fee \$20 \$50 Course Fee \$10	
Course N Course N CORR CORR EM CORR CORR CORR CORR CORR CORR CORR COR	lo. advisor regardi tuarter lo. 190 261 298 129 280 arter lo. 127 296 A		Course Name Chemical Abuse and Dependency Approaches to Correctional Counseling Corrections Practicum Orientation First Responder Corrections Current Topics (Optional) HCS Electives (Required)  Course Name Victim Awareness Corrections Practicum A	Type T T T G T T T	Class 3.00 2.00 1.00 1.00 0.25 0.00 7.00-7.25 Class 3.00 2.00	Lab 2.00 3.00 2.00 3.00 0.00 0.00 10.00	Credit 3.00 3.00 1.00 2.00 0.25-5.00 9.00 18.00-23.00  Credit 3.00 3.00	Course Fee \$20 \$50 Course Fee \$10	
Course N See your Fourth Q Course N CJ CORR CORR EM CORR CORR CORR CORR CORR COURSE N CJ CORR CORR CORR	lo. advisor regardi luarter lo. 190 261 298 129 280 arter lo. 127 296 A 160		Course Name Chemical Abuse and Dependency Approaches to Correctional Counseling Corrections Practicum Orientation First Responder Corrections Current Topics (Optional) HCS Electives (Required)  Course Name Victim Awareness Corrections Practicum A Group Work Techniques	Type T T G T T T T G T T T	Class 3.00 2.00 1.00 1.00 0.25 0.00 7.00-7.25 Class 3.00 2.00 2.00 0.00	Lab 2.00 3.00 2.00 3.00 0.00 0.00 10.00 Lab 0.00 7.00 3.00	Credit 3.00 3.00 1.00 2.00 0.25-5.00 9.00 18.00-23.00  Credit 3.00 3.00 3.00	Course Fee \$20 \$50 Course Fee \$10	
Course N See your Fourth Q Course N CJ CORR CORR EM CORR CORR CORR CORR CORR COURSE N CJ CORR CORR CORR	lo. advisor regardi luarter lo. 190 261 298 129 280 arter lo. 127 296 A 160		Course Name Chemical Abuse and Dependency Approaches to Correctional Counseling Corrections Practicum Orientation First Responder Corrections Current Topics (Optional) HCS Electives (Required)  Course Name Victim Awareness Corrections Practicum A Group Work Techniques	Type T T G T T T T G T T T	Class 3.00 2.00 1.00 1.00 0.25 0.00 7.00-7.25 Class 3.00 2.00 2.00	Lab 2.00 3.00 2.00 3.00 0.00 0.00 10.00 Lab 0.00 7.00 3.00	Credit 3.00 3.00 1.00 2.00 0.25-5.00 9.00 18.00-23.00  Credit 3.00 3.00 3.00	Course Fee \$20 \$50 Course Fee \$10	
Course N See your Fourth Q Course N CJ CORR CORR EM CORR CORR CORR CORR CORR COURSE N CJ CORR CORR CORR	lo. advisor regardi luarter lo. 190 261 298 129 280 arter lo. 127 296 A 160		Course Name Chemical Abuse and Dependency Approaches to Correctional Counseling Corrections Practicum Orientation First Responder Corrections Current Topics (Optional) HCS Electives (Required)  Course Name Victim Awareness Corrections Practicum A Group Work Techniques	Type T T G T T T T G T T T	Class 3.00 2.00 1.00 1.00 0.25 0.00 7.00-7.25 Class 3.00 2.00 2.00 0.00	Lab 2.00 3.00 2.00 3.00 0.00 0.00 10.00 Lab 0.00 7.00 3.00 0.00	Credit 3.00 3.00 1.00 2.00 0.25-5.00 9.00 18.00-23.00  Credit 3.00 3.00 3.00 6.00	Course Fee \$20 \$50 Course Fee \$10	
Course N See your Fourth Q Course N CJ CORR CORR EM CORR CORR CORR CORR CORR COURSE N CJ CORR CORR CORR	lo. advisor regardi tuarter lo. 190 261 298 129 280 arter lo. 127 296 A 160		Course Name Chemical Abuse and Dependency Approaches to Correctional Counseling Corrections Practicum Orientation First Responder Corrections Current Topics (Optional) HCS Electives (Required)  Course Name Victim Awareness Corrections Practicum A Group Work Techniques	Type T T G T T T T G T T T	Class 3.00 2.00 1.00 1.00 0.25 0.00 7.00-7.25 Class 3.00 2.00 2.00 0.00	Lab 2.00 3.00 2.00 3.00 0.00 0.00 10.00 Lab 0.00 7.00 3.00 0.00	Credit 3.00 3.00 1.00 2.00 0.25-5.00 9.00 18.00-23.00  Credit 3.00 3.00 3.00 6.00	Course Fee \$20 \$50 Course Fee \$10	
Course N See your Fourth Q Course N CJ CORR CORR CORR EM CORR CORR CORR CORR CORR COUR COUR COUR	lo. advisor regardi luarter lo. 190 261 298 129 280 arter lo. 127 296 A 160		Course Name Chemical Abuse and Dependency Approaches to Correctional Counseling Corrections Practicum Orientation First Responder Corrections Current Topics (Optional) HCS Electives (Required)  Course Name Victim Awareness Corrections Practicum A Group Work Techniques HCS Electives (Required)	Type T T G T T T G T T	Class 3.00 2.00 1.00 1.00 0.25 0.00 7.00-7.25 Class 3.00 2.00 2.00 0.00	Lab 2.00 3.00 2.00 3.00 0.00 0.00 10.00 Lab 0.00 7.00 3.00 0.00	Credit 3.00 3.00 1.00 2.00 0.25-5.00 9.00 18.00-23.00  Credit 3.00 3.00 3.00 6.00	Course Fee \$20 \$50 Course Fee \$10 \$25	
Course N See your Fourth Q Course N CJ CORR CORR EM CORR CORR CORR CORR CORR CORR CORR COR	lo. advisor regardi luarter lo. 190 261 298 129 280 arter lo. 127 296 A 160 arter		Course Name Chemical Abuse and Dependency Approaches to Correctional Counseling Corrections Practicum Orientation First Responder Corrections Current Topics (Optional) HCS Electives (Required)  Course Name Victim Awareness Corrections Practicum A Group Work Techniques HCS Electives (Required)	Type T T G T T T G T T T T T T T T T T T T	Class 3.00 2.00 1.00 1.00 0.25 0.00 7.00-7.25 Class 3.00 2.00 2.00 0.00	Lab 2.00 3.00 2.00 3.00 0.00 0.00 10.00 Lab 0.00 7.00 3.00 0.00	Credit 3.00 3.00 1.00 2.00 0.25-5.00 9.00 18.00-23.00  Credit 3.00 3.00 3.00 6.00  15.00  Credit	Course Fee \$20 \$50 Course Fee \$10	
Course N See your Fourth Q Course N CJ CORR CORR EM CORR CORR CORR CORR CORR CORR CORR COR	lo. advisor regardi luarter lo. 190 261 298 129 280 ••• arter lo. 127 296 A 160 ••• arter lo. 265		Course Name Chemical Abuse and Dependency Approaches to Correctional Counseling Corrections Practicum Orientation First Responder Corrections Current Topics (Optional) HCS Electives (Required)  Course Name Victim Awareness Corrections Practicum A Group Work Techniques HCS Electives (Required)	Type T T G T T T G T T T T T T T T T T T T	Class 3.00 2.00 1.00 1.00 0.25 0.00 7.00-7.25  Class 3.00 2.00 0.00 7.00	Lab 2.00 3.00 2.00 3.00 0.00 0.00 10.00 Lab 0.00 7.00 3.00 0.00 10.00	Credit 3.00 3.00 1.00 2.00 0.25-5.00 9.00 18.00-23.00  Credit 3.00 3.00 3.00 6.00  15.00  Credit 3.00	Course Fee \$20 \$50  Course Fee \$10 \$25	
Course N See your Fourth Q Course N CJ CORR CORR EM CORR CORR CORR CORR CORR CORR CORR COR	lo. advisor regardi luarter lo. 190 261 298 129 280 arter lo. 127 296 A 160 arter lo. 265 296B		Course Name Chemical Abuse and Dependency Approaches to Correctional Counseling Corrections Practicum Orientation First Responder Corrections Current Topics (Optional) HCS Electives (Required)  Course Name Victim Awareness Corrections Practicum A Group Work Techniques HCS Electives (Required)  Course Name Case Management Corrections Practicum B	Type T T G T T T T T T T T T T T T T T T T	Class 3.00 2.00 1.00 1.00 0.25 0.00 7.00-7.25  Class 3.00 2.00 0.00 7.00	Lab 2.00 3.00 2.00 3.00 0.00 0.00 10.00 Lab 0.00 7.00 3.00 0.00 10.00	Credit 3.00 3.00 1.00 2.00 0.25-5.00 9.00 18.00-23.00  Credit 3.00 3.00 6.00 15.00  Credit 3.00 3.00	Course Fee \$20 \$50  Course Fee \$10 \$25	
Course N See your Fourth Q Course N CJ CORR CORR EM CORR CORR CORR CORR CORR CORR CORR COR	lo. advisor regardi tuarter lo. 190 261 298 129 280 arter lo. 127 296 A 160 arter lo. 265 296B 263		Course Name Chemical Abuse and Dependency Approaches to Correctional Counseling Corrections Practicum Orientation First Responder Corrections Current Topics (Optional) HCS Electives (Required)  Course Name Victim Awareness Corrections Practicum A Group Work Techniques HCS Electives (Required)  Course Name Case Management Corrections Practicum B Crisis Recognition and Referral	Type T T T G T T T T T T T T G T T T T G T T T G T T T G T T T G T T T G T T T G T T T G T T T G T T T G T T T G T T T G T T T G T	Class 3.00 2.00 1.00 1.00 0.25 0.00 7.00-7.25  Class 3.00 2.00 0.00 7.00  Class 3.00 2.00 2.00 2.00 2.00 2.00	Lab 2.00 3.00 2.00 3.00 0.00 0.00 10.00 Lab 0.00 7.00 3.00 0.00 10.00	Credit 3.00 3.00 1.00 2.00 0.25-5.00 9.00 18.00-23.00  Credit 3.00 3.00 6.00 15.00  Credit 3.00 2.00	Course Fee \$20 \$50  Course Fee \$10 \$25  Course Fee \$25 \$10	
Course N See your Fourth Q Course N CJ CORR CORR CORR CORR CORR CORR CORR C	lo. advisor regardi luarter lo. 190 261 298 129 280 arter lo. 127 296 A 160 265 296B 263 104		Course Name Chemical Abuse and Dependency Approaches to Correctional Counseling Corrections Practicum Orientation First Responder Corrections Current Topics (Optional) HCS Electives (Required)  Course Name Victim Awareness Corrections Practicum A Group Work Techniques HCS Electives (Required)  Course Name Case Management Corrections Practicum B Crisis Recognition and Referral Job Search Techniques	Type T T T T T T T T T T T T T T T T T T T	Class 3.00 2.00 1.00 1.00 0.25 0.00 7.00-7.25 Class 3.00 2.00 2.00 0.00 7.00	Lab 2.00 3.00 2.00 3.00 0.00 0.00 10.00 Lab 0.00 7.00 3.00 0.00 10.00	Credit 3.00 3.00 1.00 2.00 0.25-5.00 9.00 18.00-23.00  Credit 3.00 3.00 6.00 15.00  Credit 3.00 3.00	Course Fee \$20 \$50  Course Fee \$10 \$25	
Course N See your Fourth Q Course N CJ CORR CORR EM CORR CORR CORR CORR CORR CORR CORR COR	lo. advisor regardi tuarter lo. 190 261 298 129 280 arter lo. 127 296 A 160 arter lo. 265 296B 263		Course Name Chemical Abuse and Dependency Approaches to Correctional Counseling Corrections Practicum Orientation First Responder Corrections Current Topics (Optional) HCS Electives (Required)  Course Name Victim Awareness Corrections Practicum A Group Work Techniques HCS Electives (Required)  Course Name Case Management Corrections Practicum B Crisis Recognition and Referral	Type T T T G T T T T T T T T G T T T T G T T T G T T T G T T T G T T T G T T T G T T T G T T T G T T T G T T T G T T T G T T T G T	Class 3.00 2.00 1.00 1.00 0.25 0.00 7.00-7.25  Class 3.00 2.00 0.00 7.00  Class 3.00 2.00 2.00 2.00 2.00 2.00	Lab 2.00 3.00 2.00 3.00 0.00 0.00 10.00 Lab 0.00 7.00 3.00 0.00 10.00	Credit 3.00 3.00 1.00 2.00 0.25-5.00 9.00 18.00-23.00  Credit 3.00 3.00 6.00 15.00  Credit 3.00 2.00	Course Fee \$20 \$50  Course Fee \$10 \$25  Course Fee \$25 \$10	
Course N See your Fourth Q Course N CJ CORR CORR CORR CORR CORR CORR CORR C	lo. advisor regardi luarter lo. 190 261 298 129 280 arter lo. 127 296 A 160 265 296B 263 104		Course Name Chemical Abuse and Dependency Approaches to Correctional Counseling Corrections Practicum Orientation First Responder Corrections Current Topics (Optional) HCS Electives (Required)  Course Name Victim Awareness Corrections Practicum A Group Work Techniques HCS Electives (Required)  Course Name Case Management Corrections Practicum B Crisis Recognition and Referral Job Search Techniques Abnormal Psychology	Type T T T T T T T T T T T T T T T T T T T	Class 3.00 2.00 1.00 1.00 0.25 0.00 7.00-7.25  Class 3.00 2.00 2.00 0.00  7.00  Class 3.00 2.00 2.00 0.00 1.00 3.00	Lab 2.00 3.00 2.00 3.00 0.00 0.00 10.00 Lab 0.00 7.00 3.00 0.00 10.00	Credit 3.00 3.00 1.00 2.00 0.25-5.00 9.00 18.00-23.00  Credit 3.00 3.00 6.00  15.00  Credit 3.00 3.00 3.00 6.00 15.00	Course Fee \$20 \$50  Course Fee \$10 \$25  Course Fee \$25 \$10 \$10	
Course N See your Fourth Q Course N CJ CORR CORR CORR CORR CORR CORR CORR C	lo. advisor regardi luarter lo. 190 261 298 129 280 127 296 A 160 265 296B 263 104 152		Course Name Chemical Abuse and Dependency Approaches to Correctional Counseling Corrections Practicum Orientation First Responder Corrections Current Topics (Optional) HCS Electives (Required)  Course Name Victim Awareness Corrections Practicum A Group Work Techniques HCS Electives (Required)  Course Name Case Management Corrections Practicum B Crisis Recognition and Referral Job Search Techniques	Type T T G T T T T T G T T T G T T G T T G G T T G G G G G	Class 3.00 2.00 1.00 1.00 0.25 0.00 7.00-7.25  Class 3.00 2.00 0.00 7.00  Class 3.00 2.00 0.00  7.00	Lab 2.00 3.00 2.00 3.00 0.00 0.00 10.00 Lab 0.00 7.00 3.00 0.00 10.00 Lab 2.00 7.00 2.00 0.00 0.00	Credit 3.00 3.00 1.00 2.00 0.25-5.00 9.00 18.00-23.00  Credit 3.00 3.00 6.00  15.00  Credit 3.00 3.00 3.00 6.00 1.00 3.00 3.00 3.00 3.00 3.00 3.00 3	Course Fee \$20 \$50  Course Fee \$10 \$25  Course Fee \$25 \$10 \$10	
Course N See your Fourth Q Course N CJ CORR CORR CORR CORR CORR CORR CORR C	lo. advisor regardi luarter lo. 190 261 298 129 280 127 296 A 160 265 296B 263 104 152		Course Name Chemical Abuse and Dependency Approaches to Correctional Counseling Corrections Practicum Orientation First Responder Corrections Current Topics (Optional) HCS Electives (Required)  Course Name Victim Awareness Corrections Practicum A Group Work Techniques HCS Electives (Required)  Course Name Case Management Corrections Practicum B Crisis Recognition and Referral Job Search Techniques Abnormal Psychology	Type T T G T T T T T G T T T G T T G T T G G T T G G G G G	Class 3.00 2.00 1.00 1.00 0.25 0.00 7.00-7.25  Class 3.00 2.00 2.00 0.00  7.00  Class 3.00 2.00 2.00 0.00 1.00 3.00	Lab 2.00 3.00 2.00 3.00 0.00 0.00 10.00 Lab 0.00 7.00 3.00 0.00 10.00	Credit 3.00 3.00 1.00 2.00 0.25-5.00 9.00 18.00-23.00  Credit 3.00 3.00 6.00  15.00  Credit 3.00 3.00 3.00 6.00 15.00	Course Fee \$20 \$50  Course Fee \$10 \$25  Course Fee \$25 \$10 \$10	

Technical Credit Hours 45.00-50.00 General Credit Hours 50.00-51.00 Total Credit Hours 95.00-101.00

Human Services and Corrections Notes: Additional certification is available in the following areas: Correctional Officer Training, Police Officer Basic, EMT, or Fire.

Students may elect to take CORR 292 (Corrections Field Placement) or LANG 120 (Beginning Spanish).

# **Juvenile Services and Corrections**

For students entering June, 2002 through May, 2003

First Quarter							
Course No.		Course Name	Type	Class	<u>Lab</u>	Credit	Course Fee
CORR 100 CORR 260		Corrections Helping Professions Interviewing Techniques	! T	2.00	2.00	2.00	\$10
JUV 100		Juvenile Residential Services	T T	3.00 2.00	2.00 4.00	3.00 3.00	\$25 \$20
CJ 100		Criminal Justice Systems	Ġ	3.00	2.00	3.00	\$20 \$10
COMM 122	Р	Communications II	Ğ	3.00	0.00	3.00	\$20
COMM 150		Punctuation and Grammar	G	2.00	0.00	2.00	\$10
				15.00	10.00	16.00	
Second Quarter							
Course No.		Course Name	<u>Type</u>	Class	<u>Lab</u>	<u>Credit</u>	Course Fee
CJ 263		Crisis Recognition and Referral	G	2.00	2.00	2.00	\$10
CORR 122 MATH 108B		Civil Law Introduction to Algebra for Business	G	2.00	3.00	3.00	0.4.0
PSYC 150	Р	Introduction to Algebra for Business Introduction to Psychology	G G	3.00 3.00	1.00 0.00	3.00 3.00	\$16 \$7
BIOS 100	P	Health Science - The Human Machine	Ğ	3.00	0.00	3.00	Φ7
DIOC		or					
BIOS 101 SEPS 205		Environmental Science	G T	3.00	0.00	3.00	\$20
OAT 180	Р	Correctional Security (Optional) Keyboarding (Optional)	G	3.00 1.00	0.00 1.00	3.00	\$15
0711 100	'	Reyovarding (optional)	U	13.00-17.00	6.00-7.00	<u>1.00</u> 14.00-18.00	\$25
TILLO							
Third Quarter Course No.		Course Name	Type	Class	Lab	Credit	Course Eas
CORR 235		Client Documentation and Case Record	T	2.00	3.00	3.00	Course Fee \$25
JUV 110		Adolescent Cognitive Behavior	Ť	3.00	0.00	3.00	\$5
COMM 123	Р	Communications III	G	3.00	0.00	3.00	\$20
COMM 135		Verbal Career Skills	G	3.00	0.00	3.00	\$10
MICS 121A	P	Microsoft Office - Word Processing	G	1.00	1.00	1.00	\$15
PSYC 151	Р	Developmental Psychology	G	<u>3.00</u> 15.00	<u>0.00</u> 4.00	<u>3.00</u> 16.00	\$7
				13.00	4.00	16.00	
Summer Quarter		Course Name	T	Class	1 -1-	0 ! ! !	
Course No. See your advisor regard	lina cours	Course Name	<u>Type</u>	Class	<u>Lab</u>	Credit	Course Fee
See your davisor regard	ing cours	c orienings.					
Fourth Quarter		0 11	_				
Course No.		Course Name	<u>Type</u>	Class	<u>Lab</u>	Credit	Course Fee
CJ 190 CORR 261	Р	Chemical Abuse and Dependency Approaches to Correctional Counseling	T	3.00	2.00	3.00	\$20
CORR 298		Corrections Pacticum Orientation	T T	2.00 1.00	3.00 2.00	3.00 1.00	
JUV 101		Family Dynamics	Ť	3.00	2.00	3.00	
JUV 102		Juvenile Delinquency	Ť	3.00	0.00	3.00	
EM 129		First Responder	G	1.00	3.00	2.00	\$50
SOCI 160		Introduction to Sociology	G	3.00	0.00	3.00	\$7
CORR 151		Unarmed Self-Defense (Optional)	T	1.00	4.00	2.00	\$25
				16.00-17.00	12.00-16.00	18.00-20.00	
Fifth Quarter							
Course No. CJ 127		Course Name					Course Fee
CJ 127 CORR 262			<u>Type</u>	Class	<u>Lab</u>	Credit	
		Victim Awareness	T	3.00	0.00	3.00	\$10
CORR 296A		Victim Awareness Counseling Techniques	T	3.00 2.00	0.00 4.00	3.00 3.00	\$10 \$25
CORR 296A JUV 105		Victim Awareness	T	3.00 2.00 2.00	0.00 4.00 7.00	3.00 3.00 3.00	\$10
JUV 105 CORR 160		Victim Awareness Counseling Techniques Corrections Practicum A Child Abuse Group Work Techniques	T T T T G	3.00 2.00 2.00 3.00 2.00	0.00 4.00	3.00 3.00	\$10 \$25
JUV 105		Victim Awareness Counseling Techniques Corrections Practicum A Child Abuse	T T T T	3.00 2.00 2.00 3.00 2.00 3.00	0.00 4.00 7.00 2.00 3.00 0.00	3.00 3.00 3.00 3.00 3.00 3.00	\$10 \$25
JUV 105 CORR 160		Victim Awareness Counseling Techniques Corrections Practicum A Child Abuse Group Work Techniques	T T T T G	3.00 2.00 2.00 3.00 2.00	0.00 4.00 7.00 2.00 3.00	3.00 3.00 3.00 3.00 3.00	\$10 \$25
JUV 105 CORR 160 CJ 250 Sixth Quarter		Victim Awareness Counseling Techniques Corrections Practicum A Child Abuse Group Work Techniques Criminology (Optional)	T T T T G T	3.00 2.00 2.00 3.00 2.00 3.00 12.00-15.00	0.00 4.00 7.00 2.00 3.00 0.00	3.00 3.00 3.00 3.00 3.00 3.00	\$10 \$25
JUV 105 CORR 160 CJ 250 Sixth Quarter Course No.		Victim Awareness Counseling Techniques Corrections Practicum A Child Abuse Group Work Techniques Criminology (Optional)	T T T T G T	3.00 2.00 2.00 3.00 2.00 3.00 12.00-15.00	0.00 4.00 7.00 2.00 3.00 0.00 16.00	3.00 3.00 3.00 3.00 3.00 3.00 15.00-18.00	\$10 \$25
JUV 105 CORR 160 CJ 250 Sixth Quarter Course No. CORR 265		Victim Awareness Counseling Techniques Corrections Practicum A Child Abuse Group Work Techniques Criminology (Optional)  Course Name Case Management	T T T G T T	3.00 2.00 2.00 3.00 2.00 3.00 12.00-15.00	0.00 4.00 7.00 2.00 3.00 0.00 16.00	3.00 3.00 3.00 3.00 3.00 3.00 15.00-18.00 <u>Credit</u> 3.00	\$10 \$25 \$25 \$25
JUV 105 CORR 160 CJ 250 Sixth Quarter Course No. CORR 265 CORR 296B		Victim Awareness Counseling Techniques Corrections Practicum A Child Abuse Group Work Techniques Criminology (Optional)  Course Name Case Management Corrections Practicum B	T T T G T T <u>Type</u> T	3.00 2.00 2.00 3.00 2.00 3.00 12.00-15.00 Class 3.00 2.00	0.00 4.00 7.00 2.00 3.00 0.00 16.00	3.00 3.00 3.00 3.00 3.00 3.00 15.00-18.00 Credit 3.00 3.00	\$10 \$25 \$25 \$25 Course Fee \$25
JUV 105 CORR 160 CJ 250 Sixth Quarter Course No. CORR 265		Victim Awareness Counseling Techniques Corrections Practicum A Child Abuse Group Work Techniques Criminology (Optional)  Course Name Case Management	T T T G T T	3.00 2.00 2.00 3.00 2.00 3.00 12.00-15.00	0.00 4.00 7.00 2.00 3.00 0.00 16.00	3.00 3.00 3.00 3.00 3.00 3.00 15.00-18.00 Credit 3.00 3.00 3.00	\$10 \$25 \$25 \$25 <b>Course Fee</b> \$25 \$5
JUV 105 CORR 160 CJ 250 Sixth Quarter Course No. CORR 265 CORR 296B JUV 111		Victim Awareness Counseling Techniques Corrections Practicum A Child Abuse Group Work Techniques Criminology (Optional)  Course Name Case Management Corrections Practicum B Juvenile Sexual Offender Job Search Techniques Ethics, Values, and Morality	T T T T G T T T Type T T	3.00 2.00 2.00 3.00 2.00 3.00 12.00-15.00 Class 3.00 2.00 3.00	0.00 4.00 7.00 2.00 3.00 0.00 16.00	3.00 3.00 3.00 3.00 3.00 3.00 15.00-18.00 Credit 3.00 3.00	\$10 \$25 \$25 \$25 Course Fee \$25
JUV 105 CORR 160 CJ 250 Sixth Quarter Course No. CORR 265 CORR 296B JUV 111 COMM 104 HUM 203 SOCI 165		Victim Awareness Counseling Techniques Corrections Practicum A Child Abuse Group Work Techniques Criminology (Optional)  Course Name Case Management Corrections Practicum B Juvenile Sexual Offender Job Search Techniques Ethics, Values, and Morality Cross Cultural Studies	T T T G T T T T T G G G	3.00 2.00 2.00 3.00 2.00 3.00 12.00-15.00 Class 3.00 2.00 3.00 1.00 3.00 3.00	0.00 4.00 7.00 2.00 3.00 0.00 16.00 Lab 2.00 7.00 0.00 0.00 0.00	3.00 3.00 3.00 3.00 3.00 3.00 15.00-18.00 Credit 3.00 3.00 3.00 3.00 3.00 3.00	\$10 \$25 \$25 \$25 <b>Course Fee</b> \$25 \$5 \$10
JUV 105 CORR 160 CJ 250 Sixth Quarter Course No. CORR 265 CORR 296B JUV 111 COMM 104 HUM 203		Victim Awareness Counseling Techniques Corrections Practicum A Child Abuse Group Work Techniques Criminology (Optional)  Course Name Case Management Corrections Practicum B Juvenile Sexual Offender Job Search Techniques Ethics, Values, and Morality	T T T G T T T T T G G	3.00 2.00 2.00 3.00 2.00 3.00 12.00-15.00 Class 3.00 2.00 3.00 1.00 3.00 0.25	0.00 4.00 7.00 2.00 3.00 0.00 16.00 Lab 2.00 7.00 0.00 0.00 0.00 0.00	3.00 3.00 3.00 3.00 3.00 3.00 15.00-18.00 Credit 3.00 3.00 3.00 3.00 3.00 3.00 3.00	\$10 \$25 \$25 \$25 \$25 \$5 \$10 \$5
JUV 105 CORR 160 CJ 250 Sixth Quarter Course No. CORR 265 CORR 296B JUV 111 COMM 104 HUM 203 SOCI 165		Victim Awareness Counseling Techniques Corrections Practicum A Child Abuse Group Work Techniques Criminology (Optional)  Course Name Case Management Corrections Practicum B Juvenile Sexual Offender Job Search Techniques Ethics, Values, and Morality Cross Cultural Studies	T T T G T T T T T G G G	3.00 2.00 2.00 3.00 2.00 3.00 12.00-15.00 Class 3.00 2.00 3.00 1.00 3.00 3.00	0.00 4.00 7.00 2.00 3.00 0.00 16.00 Lab 2.00 7.00 0.00 0.00 0.00	3.00 3.00 3.00 3.00 3.00 3.00 15.00-18.00 Credit 3.00 3.00 3.00 3.00 3.00 3.00	\$10 \$25 \$25 \$25 \$25 \$5 \$10 \$5
JUV 105 CORR 160 CJ 250  Sixth Quarter Course No. CORR 265 CORR 296B JUV 111 COMM 104 HUM 203 SOCI 165 CORR 280  Technical Credit Hours		Victim Awareness Counseling Techniques Corrections Practicum A Child Abuse Group Work Techniques Criminology (Optional)  Course Name Case Management Corrections Practicum B Juvenile Sexual Offender Job Search Techniques Ethics, Values, and Morality Cross Cultural Studies Corrections Current Topics (Optional)  48.00-61.00	T T T G T T T T T G G G	3.00 2.00 2.00 3.00 2.00 3.00 12.00-15.00 Class 3.00 2.00 3.00 1.00 3.00 0.25	0.00 4.00 7.00 2.00 3.00 0.00 16.00 Lab 2.00 7.00 0.00 0.00 0.00 0.00	3.00 3.00 3.00 3.00 3.00 3.00 15.00-18.00 Credit 3.00 3.00 3.00 3.00 3.00 3.00 3.00	\$10 \$25 \$25 \$25 \$25 \$25 \$5 \$10 \$5
JUV 105 CORR 160 CJ 250  Sixth Quarter Course No. CORR 265 CORR 296B JUV 111 COMM 104 HUM 203 SOCI 165 CORR 280  Technical Credit Hours General Credit Hours		Victim Awareness Counseling Techniques Corrections Practicum A Child Abuse Group Work Techniques Criminology (Optional)  Course Name Case Management Corrections Practicum B Juvenile Sexual Offender Job Search Techniques Ethics, Values, and Morality Cross Cultural Studies Corrections Current Topics (Optional)  48.00–61.00 47.00–48.00	T T T G T T T T T G G G	3.00 2.00 2.00 3.00 2.00 3.00 12.00-15.00 Class 3.00 2.00 3.00 1.00 3.00 0.25	0.00 4.00 7.00 2.00 3.00 0.00 16.00 Lab 2.00 7.00 0.00 0.00 0.00 0.00	3.00 3.00 3.00 3.00 3.00 3.00 15.00-18.00 Credit 3.00 3.00 3.00 3.00 3.00 3.00 3.00	\$10 \$25 \$25 \$25 \$25 \$25 \$5 \$10 \$5
JUV 105 CORR 160 CJ 250  Sixth Quarter Course No. CORR 265 CORR 296B JUV 111 COMM 104 HUM 203 SOCI 165 CORR 280  Technical Credit Hours		Victim Awareness Counseling Techniques Corrections Practicum A Child Abuse Group Work Techniques Criminology (Optional)  Course Name Case Management Corrections Practicum B Juvenile Sexual Offender Job Search Techniques Ethics, Values, and Morality Cross Cultural Studies Corrections Current Topics (Optional)  48.00-61.00	T T T G T T T T T G G G	3.00 2.00 2.00 3.00 2.00 3.00 12.00-15.00 Class 3.00 2.00 3.00 1.00 3.00 0.25	0.00 4.00 7.00 2.00 3.00 0.00 16.00 Lab 2.00 7.00 0.00 0.00 0.00 0.00	3.00 3.00 3.00 3.00 3.00 3.00 15.00-18.00 Credit 3.00 3.00 3.00 3.00 3.00 3.00 3.00	\$10 \$25 \$25 \$25 \$25 \$25 \$5 \$10 \$5

Juvenile Services Notes: Additional certification is available in the following areas: Correctional Officer Training, Police Officer Basic, EMT, or Fire.

# Police Science

For students entering June, 2002 through May, 2003

First Quarter Course No. CJ 132 PSCI 250 A CJ 121 COMM 122 PSCI 210 PSCI •••	Р	Course Name Law Enforcement Photography Law Enforcement I - OPOTA Ohio Criminal Law Communications II Crime Prevention and Community Relations Police Science Elective (Optional)	<u>Type</u> T T G G G T	Class 2.00 3.00 2.00 3.00 1.00 0.00 11.00	<u>Lab</u> 4.00 5.00 2.00 0.00 4.00 0.00 15.00	Credit 3.00 4.00 2.00 3.00 2.00 1.00-3.00 14.00-17.00	<u>Course Fee</u> \$100 \$180 \$20
Second Quarter           Course No.           PSCI         106           PSCI         250 B           COMM         123           PSYC         150           SOCI         165           PSCI         •••	P P	Course Name Police Communication Operations Law Enforcement II - OPOTA Communications III Introduction to Psychology Cross Cultural Studies Police Science Elective (Optional)	Type T T G G G T	Class 2.00 3.00 3.00 3.00 3.00 0.00 14.00	<u>Lab</u> 2.00 5.00 0.00 0.00 0.00 0.00 7.00	Credit 2.00 4.00 3.00 3.00 3.00 1.00-3.00 15.00-18.00	Course Fee \$67 \$141 \$20 \$7
Third Quarter Course No. PSCI 250 C CJ 263 COMM 130 MATH 108 B MICS 121 A BIOS 101		Course Name Law Enforcement III - OPOTA Crisis Recognition and Referral Speech Introduction to Algebra for Business Microsoft Office - Word Processing Environmental Science or	Type T G G G G G	Class 3.00 2.00 3.00 3.00 1.00 3.00	<u>Lab</u> 5.00 2.00 0.00 1.00 1.00 0.00	Credit 4.00 2.00 3.00 3.00 1.00 3.00	Course Fee \$141 \$10 \$10 \$16 \$15 \$20
CHEM 100 PSCI •••		Introduction to Chemistry I Police Science Elective (Optional)	G T	3.00 <u>0.00</u>	2.00 0.00	3.00 1.00-2.00	\$30
				15.00	9.00-11.00	16.00-18.00	
Summer Quarter Course No. PSCI 296 A PSCI 296 B PSCI •••		Course Name Police Science Practicum - Communication Police Science Practicum - Patrol Police Science Elective (Optional)	<u>Type</u> T T T	Class 1.00 1.00 0.00 2.00	<u>Lab</u> 7.00 7.00 <u>0.00</u> 14.00	Credit 2.00 2.00 1.00-3.00 4.00-7.00	Course Fee \$25 \$25
Fourth Quarter Course No.  CJ 150 PSCI 180 PSCI 235 PSCI 250 D HUM 203 PSCI •••		Course Name Juvenile Delinquency and Procedures Criminalistics I Police Report Writing Law Enforcement IV - OPOTA Ethics, Values, and Morality Police Science Elective (Optional)	Type T T T T G T	Class 2.00 1.00 1.00 3.00 3.00 0.00 10.00	<u>Lab</u> 0.00 5.00 3.00 5.00 0.00 0.00 13.00	Credit 2.00 3.00 2.00 4.00 3.00 1.00-3.00 14.00-17.00	Course Fee \$10 \$100 \$30 \$180 \$5
Fifth Quarter Course No.  CJ 222 PSCI 250 E PSCI 280 PSCI 160 CJ 250 PSYC 152		Course Name Laws of Arrest, Search, and Seizure Law Enforcement V - OPOTA Criminalistics II Computer Applications in Law Enforcement Criminology Abnormal Psychology	Type T T T G G G	Class 2.00 3.00 1.00 1.00 3.00 3.00	Lab 0.00 5.00 5.00 3.00 0.00	Credit 2.00 4.00 3.00 2.00 3.00 3.00	Course Fee \$141 \$50 \$40 \$7
Sixth Quarter Course No. PSCI 240 PSCI 250 F PSCI 260 PSCI 265 PSCI 270 COMM 104 PSCI •••  Technical Credit Hours General Credit Hours Total Credit Hours		Course Name Advanced Investigation Law Enforcement VI - OPOTA Interviewing and Interrogation Crime Scene Management Police Administration and Supervision Job Search Techniques Police Science Elective (Optional)  56.00-73.00 40.00 96.00-113.00	Type T T T T T G	13.00  Class 2.00 3.00 2.00 2.00 1.00 1.00 0.00 11.00	13.00  Lab 5.00 5.00 2.00 5.00 2.00 0.00 0.00 19.00	17.00  Credit 3.00 4.00 2.00 4.00 2.00 1.00 1.00 1.00-3.00 16.00-19.00	Course Fee \$50 \$141 \$10 \$50 \$25 \$10

Police Science Notes: To complete graduation requirements, students must enroll in and receive a satisfactory grade for PSCI 296 A Police Science Practicum (Communications), 2 credits, and PSCI 296 B Police Science Practicum (Patrol), 2 credits. PSCI 296 A is a prerequisite for PSCI 296 B. Students may enroll in practicum at the beginning of any quarter of the second year.

Additional certification is available in the following areas: Correctional Officer Training, EMT, or Fire.

# School of Public Safety Services Certificates

# Certificates of Completion

Dispatcher Training

Objective: To train participants in the communication and technical skills necessary to function as a dispatcher and/or communications officer. This course meets the requirements for National APCO certification and 911 training.

Course No.		Course Name	Credits	
PSCI	106	Police Communication Operations	2	
		•	2	

**Emergency Response to Hazardous Materials** 

Objective: To provide federally mandated training for first responders to hazardous materials.

Course No.		Course Name	Credits	
ECO	227	Emergency Response to Hazardous	2	
		Materials	2	

# **Occupational Certificates**

Certified Ohio EMT Paramedic (5-3-002)

Objective: To prepare students for entry level employment as

Emergency Medical Technician Paramedic (Advanced Life Support)

Emergency Medical reclinician-rarametric (Advanced Life Support).					
Course No.		Course Name	Credits		
BIOS	113	Anatomy and Physiology I	3		
BIOS	114	Anatomy and Physiology II	3		
EM	102	Defensive Driving and Emergency	1		
		Vehicle Operation			
BIOS	112	The Human Organism	3		
EM	110	EMT Paramedic I	10		
EM	101	EMT Clinical Experience I	6		
EM	113	EMT Squad Experience	6		
EM	120	EMT Paramedic II	11		
EM	107	Introduction to Paramedic	5		
SOCI	153	Social and Cultural Awareness	4		
			52		

Fire I	−ighter
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Course No.		Course Name	Credits
FS	110	Fire Fighter I	7
FS	115	Fire Fighter II	<u>7</u>
			14

### Fire Science

Objective: To prepare students for entry level employment in fire sciences.

SCICILCO	٥.			
Course No.			Course Name	Credits
FS	105		Orientation to Fire Services	2
EM	128		Rope Rescue Techniques	2
FS	253		Fire Hydraulics	3
FS	116		Fire Prevention and Investigation	3
			Techniques	
EM	133	Р	CPR for the Professional Rescuer	1
FS	110		Fire Fighter I	7
FS	115		Fire Fighter II	7
FOR	149		Basic Wildland Firefighting	2
EM	102		Defensive Driving and Emergency	<u>1</u>
			Vehicle Operation	28

# Ohio Peace Officer Basic Training

Objective: To meet State of Ohio training requirements to serve as a law enforcement officer. Prerequisites: Must hold a valid, current commission from an authorized governmental agency and gain clearance after submitting to a background check; must be enrolled in an approved OPOB Training School; must be taken during program.

Course No.		Course Name	Credits
PSCI	255	Peace Officer Basic Theory	12
PSCI	256	Peace Officer Basic - Physical Skills	<u>12</u>
			24

### Professional Fire Fighter

Objective: To provide advanced fire training required for entry-level paid positions as a Professional Fire Fighter.

Course No.		Course Name	Credits
FS	110	Fire Fighter I	7
FS	115	Fire Fighter II	<u>7</u>
			14

### Public Safety Services Officer Level I

Objective: To prepare and train the participant for entry level positions as a Public Safety Services Officer, Level I.

Course No.		Course Name	Credits
CORR	250	Correctional Officer Training	7
EM	100	Emergency Victim Care (EMT-B)	7
FS	110	Fire Fighter I	7
PSCI	250	Peace Officer Basic Training	24
		_	45

## Public Safety Services Officer Level II

Objective: To prepare and train the participant for entry level positions as a Public Safety Services Officer, Level II. Prerequisite: Public Safety Services Officer, Level I.

Course No.		Course Name	Credits	
CORR	250	Correctional Officer Training	7	
EM	110	EMT Paramedic I	10	
FS	115	Fire Fighter II	7	
PSCI	250	Peace Officer Basic Training	24	
EM	110	EMT Paramedic I	10	
			E0	

# **Technical Certificate**

### Fire Science

Objective: To prepare the student for entry-level employment in Fire Science.

Science.				
Course No.			Course Name	Credits
FS	105		Orientation to Fire Services	2
FS	110		Fire Fighter I	7
HLTH	102 Q		HPE Health and Physical Education	1
MATH	108 H		Introduction to Algebra/Health	3
PSYC	150	Ρ	Introduction to Psychology	3
FS			Fire Science Elective	2
FS	116		Fire Prevention and Investigation	3
			Techniques	
FS	253		Fire Hydraulics	3
FS	296		Fire Science Practicum	2
EM	100		EM Victim Care (EMT-B)	7
EM	213		Public Administration Relation	3
			Education	
FS	115		Fire Fighter II	7
CHEM	100		Introduction to Chemistry	3
COMM	122	Ρ	Communications II	3
MICS	144		Introduction to Word	1
FS	•••		Fire Science Elective	2
				E2

# Certificate of Concentration

# **Adult Services Certification**

Objective: To prepare the student for a position in private or public agencies working with adult offenders. Prerequisite: Associate in Applied Science in Human Services and Corrections.

Course	No.	Course Name	Credits
CORR	105	Adult Residential Services	4
CORR	106	Probation and Parole	3
CORR	161	Reality Therapy	3
CORR	250	Correctional Officer Training	7
		,	1.7

# Chemical Dependency Counselor

Objective: To prepare the student for a position working with clientele who have been or are chemical abusers. After completing 2000 hours of practical work experience as a Chemical Dependency Counselor, the

student is eligible to apply for certification as a Certified Chemical Dependency Counselor. Prerequisite: Associate in Applied Science in Human Services and Corrections

Hamilan	Delates	unu c	Officetions	
Course No.			Course Name	Credits
CJ	193	Р	Substance Abuse Treatment	3
CJ	286	Р	Chemical Dependency Lab	2
			Orientation	
CJ	287	Р	Chemical Dependency Lab I	4
CJ	288	Р	Chemical Dependency Lab II	4
CJ	289	Ρ	Chemical Dependency Lab III	4
				17

# Juvenile Service

Objective: To prepare the student for a position in public or private agencies working with juvenile offenders. Prerequisite: Associate in Applied Science in Human Services and Corrections.

Course No.		Course Name	Credits
JUV	100	Juvenile Residential Services	3
JUV	101	Family Dynamics	3
JUV	105	Child Abuse	3
JUV	110	Adolescent Cognitive Behavior	3
JUV	111	Juvenile Sexual Offender	3
			15

# Social Worker Assistant

Objective: To prepare the student for Social Worker Assistant Certification. Prerequisite: Associate in Applied Science in Human Services and Corrections.

services and corrections.				
Course No.		lo.	Course Name	Credits
	CJ	150	Juvenile Delinquency and Procedures	2
	CORR	162	Special Needs Clients	3
	CORR	262	Counseling Techniques	3
	JUV	101	Family Dynamics	3
	JUV	105	Child Abuse	3
				14

# **Understanding the Course Description**

The following information is provided to assist in understanding the course description.

**Course Number:** The two, three or four letters and three digits (for example, COMM 122) which identify the course being offered. The course number corresponds to the course description, a brief outline of the subject matter of the course, in the course of study/ course description catalog and on the web at www.hocking.edu.

PACE Courses: PACE courses allow you to enroll in the course any time the college is in session and to proceed through the course work at your own rate of speed. The PACE labs are staffed with full-time instructors who are available to work with you on a one-on-one basis as needed to achieve the stated competencies. In most cases you may choose to complete the course in a traditional method or on PACE.

Course Name: Identifies the name of the course being offered.

**Credit Hours:** The credit is a standard unit of measurement for college work. The number of contact hours per credit hour is determined by the type of activities (class hours, laboratory hours or practicum experiences).

**Class Hours:** Time scheduled as part of the instructional plan of most courses utilizing any combination of instructional methods such as lecture, directed discussion, demonstration or presentation of audiovisual materials.

Lab Hours: Time scheduled as part of the instructional plan for the practical application of the theory presented in courses. Laboratory activities may include conducting experiments, practicing procedures or skills, or clinical or field experiences.

**Offered:** Hocking College operates on a quarter system. The quarter is the period of time in which most courses are scheduled. Quarters are generally 11 weeks in length.

Course Fee: Consumable supply costs are in addition to the regular course fees and will automatically be added to the student's account at the time of course registration. There are three types of course fees which will be shown on your account statement: 1) supply fee – provides for consumable materials used in the course; 2) equipment fee – provides for technical equipment, computers, and software used in the course; and, 3) program fee – provides for national and international experiences, staffing of elective courses, development of alternative modes of instruction, low student to faculty ratios to assure student safety or enhance learning, and malpractice liability insurance in appropriate programs.

# **AART** Appalachian Art

AART 100 Stained Glass

2.00 Credits Class 1.00 Lab 2.00
History of stained glass, color theory and techniques of design; and traditional techniques of construction of stained glass. By the end of the course, the student completes a small (beginner level) window hanging and designs and constructs a larger glass project: either a window panel that can hang independently, or a lamp shade, or a piece of glass freestanding sculpture. Course fee: \$80.

AART 101

Native American Flint-Knapping

2.00 Credits Class 1.00 Lab 2.00

The art of flint-knapping as it pertains to modern appeal to art and exploration of flint-knapping and it's relationship to the evolution of the human race. Students make pre-historic style points or blades and/or other shapes (hearts, stars, animal profiles, etc.). The emphasis will be on quality not quantity. Course fee: \$95.

AART 102

Introduction to Copper Enameling

2.00 Credits Lab 2.00 Class 1.00

Course fee: \$80.

AART 103

Introduction to Ceramic Arts

Class 1.00 2.00 Credits Lab 2.00 Properties of clay and glazes; traditional techniques of pinching, coiling, building with slabs, and modeling to form functional ware and decorative sculpture; tools and materials; and basic firing methods. Course fee: \$75.

AART 104

Native American Flint-Knapping II

2.00 Credits Class 0.00
Prerequisite: AART 101. Course fee: \$60. Lab 6.00

AART 105 Ceramic Arts I

Class 0.00 2.00 Credits Lab 6.00

Prerequisite: AART 103. Course fee: \$100.

Appalachian Arts Special Topics

0.50-5.00 Credits Class 0.50-5.00 Lab 0.00

Structured exploration of a specific topic(s) by participants in a group.

# ACC

# Accounting

ACC 100 Accounting I PACE

3.00 Credits Class 2.00 Lab 3.00 Introduction to the double-entry system of bookkeeping and the basic accounting cycle. The sole proprietorship is presented in the form of a retail establishment. Emphasizes individual effort through the use of a

workbook and practice set. Offered: Summer, Fall, Winter, Spring. Course fee: \$5.

ACC 101

PACE

Accounting II 3.00 Credits

Class 2.00 Lab 3.00

Basic bookkeeping and general accounting procedures. Includes accrual accounting, inventory methods and accelerated depreciation.

Prerequisite: ACC 100. Offered: Summer, Fall, Winter, Spring. Course fee: \$5.

ACC 102

PACE

Accounting III 4.00 Credits

Class 3.00

Lab 4.00 Introduction to accounting with an emphasis on corporate organization. Includes accounting methods for capital stock and corporate bonds and manufacturing from an accounting viewpoint.
Prerequisite: ACC 101. Offered: Summer, Fall, Winter, Spring. Course fee: \$5.

ACC 105 QuickBooks for Small Business

Class 1.00 2.00 Credits Lab 4.00 The commercial software, QuickBooks, is used in accounting applications including managing revenue, expenses, payroll and creating financial statements. Prerequisite: ACC 100. Offered: Winter.

ACC 110

PACE

Accounting Simulation 1.00 Credit

Class 1.00 Lab 1.00

A retail store work-simulation for applying concepts covered in ACC 100. Concurrent with ACC 100. Offered: Summer, Fall, Winter, Spring.

Advanced Accounting Simulation 1.00 Credit

Class 1.00 Lab 1.00

A wholesale establishment work-simulation for applying concepts covered in ACC 101. Concurrent with ACC 101. Prerequisite: ACC 100. Offered: Summer, Fall, Winter, Spring. Course fee: \$37.

PACE

Payroll Accounting 3.00 Credits

Class 2.00 Lab 3.00

Principles and procedures of payroll record keeping and accounting. Includes taxes, insurance programs, optional deductions and the process of calculating and recording these items. Offered: Summer, Fall, Winter, Spring. Course fee: \$12.

ACC 130

PACE

**Business and Accounting Machines** 2.00 Credits

Class 2.00 Lab 2.00

Introduction to the use of an accounting machine and application of basic machine skills to the solution of business and accounting problems. Includes exercises to develop a proficiency on the ten-key adding machine, calculator and electronic calculator. Offered: Summer, Fall, Winter, Spring. Course fee: \$20.

ACC 140

Individual Taxation

3.00 Credits Class 2.00 Lab 3.00 Study and application of federal income tax law. Emphasis on the preparation of federal income tax returns for individuals. Offered:

Winter. Course fee: \$36.

ACC 150 Business Taxation PACE

4.00 Credits

Class 3.00 Lab 4.00

In-depth study of the application of general tax rules and returns for business organizations. Offered: Summer, Fall, Winter, Spring. Course fee: \$36.

ACC 162

Microcomputer Accounting 2.00 Credits Class Class 1.00 Lab 4.00 Introduction to software packages available for basic accounting. Application of concepts introduced in introductory accounting courses and mastery of basic microcomputer skills. Prerequisite: ACC 100. Offered: Winter, Spring. Course fee: \$30.

PACE

ACC 200
Basic Cost Accounting
Class 2.00 Lab 3.00

Introduction to the bookkeeping system used in job order costing, including source of data used and internal control procedures. Prerequisite: ACC 100. Offered: Summer, Fall, Winter, Spring. Course

fee: \$12.

ACC 201

Advanced Cost Accounting 4.00 Credits

Class 3.00 Lab 3.00

Continuation of ACC 200. Emphasizes production data and cost flow, budgetary control and manufacturing cost standards. Prerequisite: ACC 200. Offered: Winter. Course fee: \$12.

ACC 210 Cost Accounting Simulation

1.00 Credit Class 0.00 Lab 3.00 A manufacturing work-simulation covering the job cost system. Application of concepts covered in ACC 200. Prerequisite: ACC 200. Offered: Winter. Course fee: \$36.

ACC 220

Non-Profit Accounting I

4.00 Credits Class 3.00 Lab 3.00 Fundamentals of accounting for the non-profit field. Covers all levels of local, state and federal government. Principles and practices are

related to financial planning and control. Prerequisite: ACC 100.

Offered: Fall. Course fee: \$5.

ACC 221

Non-Profit Accounting II

Člass 3.00 4.00 Credits Lab 3.00 Completes the case study started in ACC 200-the modified accrual basis of accounting for municipalities. Internal service funds, enterprise funds and fiduciary funds are emphasized. General fixed asset group of accounts and general long-term debt group of accounts complete the series. Prerequisite: ACC 100. Offered: Winter. Course fee: \$5.

ACC 230

Intermediate Accounting I

3.00 Credits Class 2.00 Part one of a two-quarter course introducing principles and objectives of financial accounting and how they evolved. Includes practical present day application to accounts, statements and accounting theory. Prerequisite: ACC 100. Offered: Winter. Course fee: \$10.

ACC 231

Intermediate Accounting II

4.00 Credits Class 3.00 Lab 3.00 Advanced financial accounting theory and principles. Emphasizes indepth comprehension of corporate financial statements. Prerequisite: ACC 100. Offered: Spring. Course fee: \$10.

ACC 250 Auditing 3.00 Credits

Class 2.00 Lab 3.00 Introduces the advanced accounting student to the duties and scope of operations of the internal auditor. Field trips and practice audits demonstrate the practical aspects of internal control and the function of an auditor. Does not qualify the student to be internal auditors. Prerequisite: ACC 101. Offered: Spring. Course fee: \$5.

ACC 290

**Accounting Special Topics** 

1.00-5.00 Credits Class 1.00-5.00 Lab 0.00

Structured exploration of a specific topic(s) by participants in a group.

ACC 291

Accounting Individual Study
1.00-5.00 Credits Class 1.00-5.00

Lab 0.00 Individual study or research. Topics are arranged on an individual basis with instructor permission.

ACC 292

Accounting Field Experience

1.00-3.00 Credits Class 0.00 Lab 12.00-36.00 On-the-job training in an accounting facility through special arrangements with an instructor.

ACC 293

Accounting Directed Practice

2.00-8.00 Credits Class 1.00 Lab 5.00-35.00 Directed practice instruction in the performance of a particular function from an assigned instructor and observed and critiqued by the instructor in a repeat performance of that function.

ACC 294

Accounting Cooperative Work Experience 2.00–5.00 Credits Class 1.00

Lab 10.00-40.00

An on- or off-campus paid work experience coordinated by a faculty member with at least one on-site visit during the quarter. Each student must be enrolled in an on-campus seminar. One credit is awarded for a minimum of ten clock hours of work experience scheduled during a standard work week.

ACC 296

ACC 296 Accounting Practicum Class 1.00 Lab 8.00

Placement in an actual working environment for a minimum amount of time to gain experience before graduation. Offered: Spring.

ACC 297

Accounting Observation Hour

1.00–3.00 Credits Class 0.00 Lab 15.00–45.00
Participation in an educational experience as observers of practitioners representative of the occupational area. The student may participate at times in the actual work activity.

ACC 298

Accounting Internship

Class 0.00-3.00 3.00-9.00 Credits Lab 20.00-40.00 On the job training in the work place of a cooperating agency. Coordinated by an instructor.

# ALH Allied Health

ALH 103

Introduction to Health Care Delivery

3.00 Credits Class 3.00 Lab 0.00 Orientation to the health care delivery system including history, economics, medical/legal issues, professionalism, ethics and wellness concepts. The development of health care team skills including critical thinking and problem-solving strategies, customer relations and multicultural health care perspectives. Offered: Fall.

Allied Health Informatics

2.00 Credits Class 1.00 Lab 2.00 Orientation to the use of technology in the health care delivery system including: hardware, software, user interfaces, telecommunications and networks, and health management information systems. Offered: Spring.

# **APCO**

# Apprenticeship-Construction

APCO 001 A

Introduction to Basic Construction

5.00 Credits Class 5.00 Lab 0.00 Provides a comprehensive overview of basic construction including safety rules and precautions, selection, inspection, use and maintenance of hand and power tools, the basic components of blueprints, and rigging safety, equipment and inspection.

APCO 001 B Basic Math

1.25 Credits

Class 1.50 Lab 0.00 Provides refresher practice in addition, subtraction, multiplication and division of whole, decimal and fractional numbers.

APCO 297

**Basic Construction Observation** 

1.50 Credits Class 1.00 Lab 8.00

Observation of practitioners representative of the occupational area. Students may participate at times in the actual work activity. Prerequisite: APCO 001 A.

# APCR Apprenticeship

APCR 100

Conflict Management

Class 2.00 2.00 Credits Lab 0.00 Development of effective communication skills and resolvement of problems in a non-confrontational manner. Includes discussion of theories and practical tips that show how to better prepare for verbal encounters and how to successfully communicate your point of view both personally and professionally, learn how to listen effectively and

how to avoid common conversational disasters.

# Apprenticeship-Computer

APCS 100

Computerized Maintenance Management System 1.00 Credit Class 1.00 Lab 0.00
Use of Windows-based Computerized Maintenance Management System (CMMS) to maintain campus asset records, including work requests, looking for and updating records regarding an asset's history, and creating reports that assist in planning and scheduling work.

APCS 290

Apprenticeship Special Topics

Class 1.00

Structured exploration of a specific topic(s) by participants in a group.

# APCT Apprenticeship-Custodial

APCT 100

Custodial Technician I

2.00 Credits Class 2.00 Lab 0.00 Basic procedures and equipment for general care of floors and carpets.

APCT 101

Custodial Technician II

2.00 Credits Class 2.00

Lab 0.00

Prerequisite: APCT 100.

# APEL

# Apprenticeship-Electrician

APEL 100 Basic Electricity

2.00 Credits

Class 2.00 Lab 1.00

Basic electricity and electrical wiring, including wiring materials, safety, devices, splicing, outlets, switches, service requirements, lighting, and the NEC.

APEL 261 D Electrical Level I D

A.00 Credits Class 4.00 Lab 0.00
Advanced electrical concepts including load calculations, feeder and services, practical applications of lighting, standby and emergency systems. Prerequisite: CMEL 261 C.

APEL 264 A Electrical Level 4 A

Class 4.00 4.00 Credits

Lab 0.00

Advanced electrical concepts including load calculations, feeder and services, practical applications of lighting, standby and emergency systems.

# **APFL**

# Apprenticeship-Flooring

APFL 100 Basic Flooring

3.00 Credits Class 3.00 Lab 0.00
The basic principles and techniques of tile, carpet, and vinyl flooring. Practical experience in selecting, installing and maintenance of floors.

# **APIM**

# Apprenticeship

APIM 221 A

Electrical Applications I

3.00 Credits Class 3.00 Lab 1.00 Introduction to procedures used in electrical safety, hand bending conduit, installing anchors and fasteners, and electrical theory. Includes purpose and function of NEC, OSHA electrical hazards, conduit installation, calculating bends, threaded fasteners, non-threaded fasteners, voltage, conductors, insulators, current, resistance and Ohm's Law. (NCCER 32101, 32102, 32103, 32104). Prerequisite: APCO 100.

APIM 221 B

**Electrical Applications II** 

4.00 Credits Class 4.00 Lab 1.00 Introduction to procedures used in electrical theory includes series, parallel and series-parallel circuits, Kirchottis voltage law, measuring resistance, use of electrical test equipment, NEC, NEMA, NFPA, American Wire Gauge Standards, conductors ampacity, and conduit wire pulling. (NCCER 32105, 32016, 32107, 32108). Prerequisite: APIM 221 Å.

APIM 221 C Electrical Applications III

3.00 Credits Class 3.00 Lab 1.00 Introduction to electrical blueprints and oxyfuel cutting. Includes prints, drawings, symbols, schematics, wiring diagrams and oxyfuel cutting equipment and cutting techniques. (NCCER 32109, 32110). Prerequisite: APIM 221 B.

APIM 222 A AC/DC Applications

Class 4.00 4.00 Credits Lab 1.00 Electrical devices and wiring techniques common to commercial and industrial maintenance. Includes switches, receptacles, wire stripping, wire splicing, alternating current theory, AC motors, DC motors, and NEC grounding requirements. (NCCER 32201, 32202, 32203, 32204). Prerequisite: APIM 221 C.

APIM 222 B

Conduits, Conductors and Circuits

**4.00 Credits** Class **4.00** Lab **1.00** Installation procedures for boxes and fittings, cable trays, conductor terminations, electrical service, circuit breakers, fuses, contractors and relays. Includes outlet boxes, single and three phase electrical service, and short circuit calculation. (NCCER 32205, 32206, 32207, 32208, 32209, 32210). Prerequisite: APIM 222 A.

APIM 222 C

Lubrication and Bearings

2.00 Credits Class 2.00 Lab 1.00 Introduction to lubrication and bearings. Includes OSHA standards, MSDS, EPA program, lubricant selection, storage, properties, additives, oils, lubrication equipment, bearing types, materials and designations. (NCCER 32211, 32212). Prerequisite: APIM 222 B.

APIM 222 D

Pipes and Fittings

2.00 Credits Class 2.00 Lab 1.00 Copper piping, plastic piping, ferrous metal piping, piping systems, and SMAW equipment at setup. Includes pipe selection, bending, cutting, joining, hanger supports, insulation, color-coding, thermal expansion, and SMAW safety, set up and cleaning. (NCCER 32213, 32214, 32215, 32216). Prerequisite: APIM 222 C.

APIM 223 A

Overcurrent and Distribution

2.00 Credits Class 2.00 Lab 1.00
Procedures used in overcurrent protection and distribution equipment. Includes fuses, circuit breaker, motor overload, short circuit protection, voltage classifications, NEC requirements, instrument transformers, electrical prints and panel boards. (NCCER 32301, 32302). Prerequisite: APIM 222 D.

APIM 223 B

Motor Controls and Maintenance

4.00 Credits Class 4.00 Lab 1.00 Procedures used in wiring motor controls, maintenance of active/ inactive motors, cleaning, magnetic centering and testing power factors, and running temperatures. Includes motor controllers, magnetic coils, starters, control relays, maintenance techniques, bearing maintenance, motor identification, trouble shooting and testing. (NCCER 32303, 32304, 32305). Prerequisite: APIM 223 A.

APIM 223 C

Coupling, Seals and Bearings

4.00 Credits Class 4.00 Lab 1.00 Installing couplings, mechanical seals and belt and chain drives, and bearings. Includes press-fit method, interference-fit method, types, and installation of seals, drive belts, ball bearings and gaskets. (NCCER 32306, 32307, 32308, 32309, 32310, 32311). Prerequisite: APIM 223 B.

APIM 223 D

Pumps, Hydraulics and Pneumatics

4.00 Credits Class 4.00 Lab 1.00-10.00 Introduction to pump operations, installation of hydraulic pneumatics systems, and electronic theory. Includes hydraulic principles, Pacal's Law, pneumatic safety, semiconductors, diodes, rectitiers, and transistors. (NCCER 32312, 32313, 32314, 32315). Prerequisite: APIM 223 C.

# **APMS** Apprenticeship-Masonry

Basic Masonry

2.00 Credits

Class 2.00

Lab 1.00

# Apprenticeship-Plumbing

APPL 100

Plumbing Basics

2.00 Credits 2.00 Credits Class 2.00 Lab 0.00
Basic principles and techniques of home plumbing including practical experience in fixtures, fittings, appliance installation and emergency repairs. One class is devoted to commercial plumbing

# APSE Apprenticeship

APSE 100

Safety in the Workplace

1.00 Credit Class 1.00 Lab 0.00 Safety in the workplace including OSHA safety rules and regulations. lock out/tag out, ladder and lifting safety, and fire protection. 10 hour OSHA card issued upon completion.

# **APUP** Apprenticeship-Upholstery

APUP 100 Upholstery Fundamentals 2.00 Credits Class 1.00

Lab 3.00

# ARCH Archaeology

ARCH 101

Principles of Archaeology 4.00 Credits Class 4.00

Lah 0.00

Basic concepts of modern archaeology including techniques, methods and theories. Offered: Fall.

ARCH 102 World Prehistory

4.00 Credits

4.00 Credits Class 4.00 Lab 0.00 Survey of physical and cultural evolution outside of North America, beginning with the first known hominids and the dawn of huntergatherer societies to the development of early civilizations. Offered:

ARCH 103

North American Prehistory

Class 4.00 5.00 Credits Lab 3.00

Human migration into the new world, cultural history of North America with an emphasis on the Ohio Valley up to 350 years before the present. Offered: Spring.

ARCH 104

Archaeology Lab Methods – Lithics 2.00 Credits Class 1.00 Lab 3.00 Methods and techniques of stone tool analysis. Emphasizes lithic artifact classification and typology, flint-knapping, cataloging, and photography and use-wear analysis. Prerequisite: ARCH 101. Offered:

ARCH 105 Geoarchaeology

Spring. Course fee: \$20.

4.00 Credits Class 2.00 Lab 6.00

Scope and purpose of geoarchaeology. Practical applications of geological principles to archaeological studies. Prerequisites: GEOL 101 and ARCH 101. Offered: Spring. Course fee: \$10.

ARCH 110 Peruvian Ethnology

Class 2.00 3.00 Credits Offered: Winter. Course fee: \$414.

Lab 3.00

ARCH 201

Archaeological Field Methods

12.00 Credits Class 4.00 Lab 24.00 Current methods and techniques of Phase I, II, and III investigations. Includes research design implementation, surface and subsurface testing, land navigation, total station mapping, field cartography and how to process recovered materials. This course requires physical exertion. Prerequisite: ARCH 105. Offered: Summer. Course fee: \$100.

ARCH 202

Photography for Archaeology

Class 0 .00 Lab 6.00 Applications of 35 mm camera, digital camera and digital scanner for documentation of archaeological research. Prerequisite: ARCH 101.

Offered: Fall. Course fee: \$150.

ARCH 210

Archaeological Careers

Class 1.00 1.00 Credit Lab 0.00 How, where and when to obtain an archaeological job. Includes the history of cultural resource management, vitae construction, job expectations, preservation law and future education options. Offered:

ARCH 212

Archaeology Research Lab

3.00 Credits Class 1.00 Lab 6.00

Processes of background literature investigation for archaeological research. Involves analysis at state archives and other regulatory agencies, creation of site inventory forms and environmental inquiry. Prerequisite: ARCH 101. Offered: Fall. Course fee: \$10.

ARCH 214

Archaeology Lab Methods - Zooarchaeology

2.00 Credits Class 1.00 Lab 3.00

Laboratory methods and analytical techniques for osteological animal remains from archaeological contexts. Prerequisite: ARCH 101, Offered: Fall. Course fee: \$20.

ARCH 216

Archaeology Lab Methods - Prehistoric Ceramics 2.00 Credits Class 1.00

Methods and techniques of prehistoric ceramic analysis, including ceramic history, identification, documentation, cataloging, defitting, classification and typology. Prerequisite: ARCH 101. Offered: Winter. Course fee: \$20.

ARCH 217

Peruvian Prehistory

5.00 Credits Class 3.00 Lab Survey of cultural evolution in South America with an emphasis on Peruvian prehistoric cultures. Prerequisite: ARCH 101. Offered: Winter. Course fee: \$690.

ARCH 220

Historic Preservation and Environmental Law

agencies. Prerequisite: ARCH 101. Offered: Winter.

3.00 Credits Class 2.00 Lab 3.00 Federal and state legislation related to cultural resource management including the legal justification and parameters for archaeological impact studies and archaeological ethics. Lab exercises involve quest speakers with activities, visitation to CRM firms and government

ARCH 280

ARCH 280 Cultural Anthropology Class 4.00 Lab 0.00 Covers basic concepts of anthropology with a primary attention on cultural anthropology. Focus will be on methodology, diversity, adaptation, kinship, gender, religion and current issues in the field. Offered: Spring.

ARCH 290

Archaeology Special Topics

0.25-5.00 Credits Class 0.00 Lab 0.00

Structured exploration of a specific topic(s) by participants in a group.

ARCH 295

Archaeology Seminar 0.25-3.00 Credits Class 0.25-3.00 Lab 0.00

# ΑU

# Automotive

AU 101 P

Technical Skills for Parts

3.00 Credits Class 3.00 Lab 0.00

Basic automotive systems, terms, skills, tools and safety. Offered: Fall.

AU 102 P

Measurement Skills for Parts

Class 3.00 3.00 Credits Lab 0.00

Measuring devices such as micrometers, calipers and torque wrenches, documentation of measurements and knowledge of machining tools to bring component hardware into specification. Offered: Winter.

All 103 P

**Electrical Systems for Parts** 

5.00 Credits Class 5.00 Lab 0.00

Testing and diagnosis of starters, alternators, lighting systems, batteries and wiring components and introduction of ignition systems and their function. Offered: Spring.

104 P

Fuel Delivery Systems and Parts

3.00 Credits Class 3.00 Lab 0.00 Engine fuels and air/fuel delivery systems, diagnosis operation, maintenance and replacement of system components. Offered: Spring.

105 P

Steering, Suspension, and Brakes

3.00 Credits Class 3.00

Lab 0.00

Diagnosis, part recognition and repair of problematic chassis functions. Develop basic skills in diagnosis and repair of brake systems, suspension and steering systems as well as alignment procedures and specifications. Offered: Spring.

Service Manager Orientation

3.00 Credits Class 3.00 Lab 0.00 Estimating and repair orders, shop scheduling, parts ordering and inventory control, customer management, shop business management, state and federal regulations, and how to make a profit. Offered: Fall.

Heating, Ventilation, Air Conditioning for Parts 3.00 Credits Class 3.00 Lab 0.00

Engine cooling systems and passenger compartment comfort controls. Students will be required to interpret manifold gauge readings and diagnose and repair HVAC problems including driveability controls, knowledge of auto electrical systems is required. Offered: Fall.

AU 119 ASE Certification Preparation I

1.00 Credit Class 1.00 Lab 0.00 All aspects of managing automotive aftermarket parts store with requirements necessary to pass ASE Parts Management Certification test. Offered: Spring.

150

Introduction to Parts Management
3.00 Credits Class 3.00 Lab 0.00
An introduction to the industry from the viewpoint of history, social impact organizational structure, manpower needs and future growth. Offered: Fall.

ΑIJ 151

Parts Systems and Procedures
3.00 Credits Class 3.00 Lab 0.00

Operations and tasks expected in a parts store or dealer operation.

Jobber catalogs, use of computers, invoice handling and general parts room sales. Offered: Winter.

AU 152 Truck Parts Nomenclature

Class 3.00 3.00 Credits Lab 0.00 Identify common names and functions for engine components. Electrical, fuel, cooling and emission systems. Offered: Summer.

153

Painting and Refinishing

Class 6.00 6.00 Credits Lab 1.00

Non-Structural Damage Repair 4.00 Credits Class 4.00 Lab 1.00

AU 155 Structural Damage Repair

6.00 Credits Class 6.00 Lab 1.00

Prerequisite: AU 219.

Mechanical and Electrical Systems

3.00 Credits Class 3.00 Lab 1.00

Prerequisite: AU 219.

ΑU 200 P

Powertrain Components

Class 3.00 Fluid couplings, torque converters, valve bodies, clutch and band operation and power flow. Principles of operation for manual transmission, clutch assemblies, automatic transaxle and other powertrain components. Offered: Summer.

210 P

Recycling and Salvage Operations

Class 3.00 Salvage yard/automotive recycling business operation, including processes for recovering/recycling and disposing of components, solids, liquids and gasses, auctions and other sources of recycled parts, inventory management, theft control, counter operation and recovering of towing of vehicle. Offered: Spring.

219

ASE Certification Preparation II

Class 1.00 1.00 Credit Lab 0.00 Information required to be an ASE certified truck part specialist. Offered: Spring.

ΑU 290

Automotive Management Special Topics

1.00–5.00 Credits Class 1.00–5.00 Lab 0.00
Structured exploration of a specific topic(s) by participants in a group.

Automotive Management Individual Study

1.00–5.00 Credits Class 1.00–5.00 Lab 0.00 Individual study or research. Topics are arranged on an individual basis with instructor permission.

Automotive Management Field Experience
1.00-4.00 Credits Class 0.00 Lab 12.00-48.
On-the-job training in an automotive facility through special Lab 12.00-48.00 arrangement with an instructor.

293

Automotive Management Directed Practice
2.00-8.00 Credits Class 1.00 Lab 5.00-35.00
Student receives instruction in the performance of a particular function from an assigned instructor, and then is observed and critiqued by the instructor in a repeat performance.

ΑU

Automotive Management Cooperative Work Experience 2.00-5.00 Credits Class 1.00 Lab 10.00-40.00 An on- or off-campus paid work experience coordinated by a faculty member. Includes at least one on-site visit during the quarter. Student must be enrolled in an on-campus seminar. One credit is awarded for a minimum of ten clock hours of work experience scheduled during a

ΑÜ 296

standard work week.

Automotive Management Practicum

3.00 Credits Class 2.00 Lab 7.00 Placement in a working environment for a minimum amount of time to gain experience before graduation. Prerequisite: First year technical courses and AU 219.

Automotive Management Observation Hour

1.00-3.00 Credits Class 0.00 Lab 15.00-45.00 Participation in an educational experience as observers of practitioners representative of the occupational area. The student may participate at times in the actual work activity.

AU 298

Automotive Management Internship

3.00 6.00 Credits Class 0.00 Lab 40.00 On-the-job training in the work place of a cooperating agency. Coordinated by an instructor.

BC

# **Broadcast**

110

Studio Production

3.00 Credits Class 2.00 Lab 3.00 Exposure to studio television production through extensive hands-on, practical application of equipment in multi-camera productions. Familiarization with audio and video technology including involvement with production from script to finished product. Offered: Fall. Course fee: \$60.

Media Portfolio Development 3.00 Credits Class 2.00

Lab 3.00

A course for Broadcast Engineering and Production students in which they create a media portfolio which can be presented to prospective employers. Offered: Spring. Course fee: \$60.

BC 201 Audio/Video Systems I

4.00 Credits Class 3.00 Lab 3.00 Theory of operation of audio equipment found in any AM, FM or TV production facility. Practical experience in installation, alignment and repair of equipment such as cassette decks, cart machines, reel-to-reel tape recorders, audio mixing consoles and equalizing, processing and special effects devices. Prerequisite: EE 152. Offered: Fall. Course fee:

207

Multitrack Audio Recording

Class 2.00 3.00 Credits Lab 3.00 Professional multitrack recording including microphones and their applications, live multitrack recording, stereo mix-down techniques, digital audio mixing and recording techniques and MIDI (Musical Instrument Digital Interface) format. Offered: Spring. Course fee: \$60.

209

Audio/Video Systems II

4.00 Credits Class 3.00 Lab 3.00 A.00 Credits Class 3.00 Lab 3.00

NTSC color television signal. Processes of scanning and synchronization, creation of a compatible color signal and the timing, switching, distribution and transmission of that signal. Also includes video testing and measurement. Prerequisite: BC 201. Offered: Winter. Course fee:

210

Audio/Video Production I

3.00 Credits Class 2.00 Lab 3.00 Introduces a working knowledge of studio operations, remote video equipment, basic video editing, camera operation, lighting and audio recording. Provides an opportunity to produce television programs from script to the final edited video program. Offered: Winter. Course fee:

BC 215 Audio/Video Production II

Class 2.00 3.00 Credits Lab 3.00 Explores electronic field production, time code editing, multi track audio recording, and special video and audio effects. The student works as a crew member on college productions. Prerequisite: BC 210. Offered: Fall. Course fee: \$60.

BC 230 Advanced Post Production

3.00 Credits Class 2.00 Lab 3.00 Extensive hands-on experience in video and audio post production. A/B roll editing, audio sweetening, video graphics and video disc mastering are some of the topics covered. Includes production of a demo videotape of skills for future job interviews. Prerequisite: BC 210. Offered: Winter. Course fee: \$60.

280

**Broadcast Current Topics** 

3.00 Credits Class 2.00 Lab 3.00 Familiarization with state-of-the-art broadcasting and telecommunications equipment and technologies.

290

**Broadcast Special Topics** 

Class 1.00-5.00 1.00-5.00 Credits Lab 0.00

Structured exploration of a specific topic(s) by participants in a group.

Broadcast Individual Study

1.00-5.00 Credits Class 1.00-5.00 Lab 0.00 Individual study or research. Topics are arranged on an individual basis with instructor permission.

292

Broadcast Field Experience

1.00-4.00 Credits Class 0.00 Lab 12.00-48.00 On-the-job training in a broadcasting facility through special arrangement with an instructor.

**Broadcast Directed Practice** 2.00-8.00 Credits

Class 1.00 Lab 5.00-35.00 The student in directed practice receives instruction in the performance of a particular function from an assigned instructor and then is observed and critiqued by the instructor in a repeat performance of that function.

Broadcast Cooperative Work Experience

2.00-5.00 Credits Class 1.00 Lab 10.00-40.00 An on- or off-campus paid work experience coordinated by a faculty member with at least one on-site visit during the guarter. Each student must be enrolled in an on-campus seminar. One credit is awarded for a minimum of ten clock hours of work experience scheduled during a standard work week.

BC 296 Broadcast Practicum

Class 2.00 3.00 Credits Lab 8.00

The student is placed in an actual working environment for a minimum amount of time to gain experience before graduation.

BC 296 A

Broadcast Practicum I

Class 2.00 3.00 Credits Lab 8.00

The student is placed in an actual working environment for a minimum amount of time to gain experience before graduation. Offered: Spring.

Broadcast Practicum II

3.00 Credits Class 2.00 Lab 8.00

The student is placed in an actual working environment for a minimum amount of time to gain experience before graduation. Offered: Spring.

BC 297 Broadcast Observation Hour

1.00-3.00 Credits Class 0 .00 Lab 15.00-45.00 Participation in an educational experience as observers of practitioners representative of the occupational area. The student may participate at times in the actual work activity.

298

Broadcast Internship

3.00-9.00 Credits Class 0.00-3.00 Lab 20.00-40.00 On the job training in the work place of a cooperating agency. Coordinated by an instructor.

# BIOS

**Biological Sciences** 

BIOS 100 Health Science: The Human Machine 3.00 Credits Class 3.00 PACE

Lab 0.00

Scientific skills are integrated into a practical approach to the study of the human body. Basic biological concepts are covered while educating the student in science to make informed choices. Offered: Summer, Fall, Winter, Spring.

BIOS 101

**Environmental Science** 

3.00 Credits Class 3.00 Lab 0.00

Introduces environmental science and demonstrates how scientific principles and methods are applied nationally and globally in managing the earth's ecosystems, emphasizing concepts and principles that apply to both natural and built environments. Offered: Fall, Winter, Spring. Course fee: \$20.

BIOS 102

Ecology 3.00 Credits

Class 2.00 Lab 3.00 Covers fundamental concepts of ecology and a survey of the world's major ecosystem types. Emphasis is placed on understanding and interpreting ecosystem functions as well as applicability of ecological principles to human societies, including human impacts on ecosystem types. Offered: Spring. Course fee: \$20.

BIOS 103

General Biology

3.00 Credits Class 2.00 Lab 3.00 Introductory biology with an emphasis on cellular organization and reproduction, energy transformations, and on structures and functions of selected representatives of the five major kingdoms of life. Offered: Fall. Course fee: \$25.

BIOS 104

Subtropical Ecology

3.00 Credits Class 2.00 Lab 3.00 Sub-tropical terrestrial and marine ecosystems. Through hands-on analysis of the various biotic and abiotic factors, students gain understanding of the relationship between organisms and their roles within their respective ecosystems. Offered: Fall. Course fee: \$405.

**BIOS 106** 

BIOS Tub Conservation Biology Class 4.00 Lab 2.00 Methods by which humanity may preserve and maintain biological diversity in a rapidly developing world. Examines the roles of ecology, life history, biogeography, and genetics in the protection of species and ecosystems. Surveys the effects of humans on loss of natural habitats and species diversity, with case studies of endangered species of animals and plants. The design and roles of nature preserves, zoos, and

botanical gardens will be emphasized. Offered: Winter.

BIOS 109 Dendrology 3.00 Credits

Class 2.00 Lab 3.00

Identification of woody plants indigenous to Ohio including identifying trees, shrubs and vines through the use of dichotomous keys, site characteristics and physical appearance. Offered: Fall. Course fee: \$35...

BIOS 110

Human Anatomy and Physiology I - Lab (COTC 4016) 1.00 Credit Class 0.00 Lab 2.00 1.00 Credit Class 0.00 Lab 2.00 See STCT 4016. Laboratory component for STCT 4016. Offered: Fall.

Course fee: \$76.

BIOS 111

Human Anatomy and Physiology II - Lab (COTC 4026)
1.00 Credit Class 0.00 Lab 2.00

1.00 Credit Class 0.00 Lab 2.00 See STCT 4026. Laboratory component for STCT 4026. Prerequisites: STCT 4016 and BIOS 110. Offered: Winter. Course fee: \$76.

BIOS 112 The Human Organism

Class 3.00 3.00 Credits Lab 2.00

Introductory human anatomy emphasizing understanding structural levels of the body from molecules to organ systems. The organization of each body system is covered. Terminology necessary for explanation of critical concepts including metabolism, homeostasis and inheritance. Offered: Fall, Winter. Course fee: \$30.

BIOS 113

Anatomy and Physiology I 3.00 Credits Class 3.00

Lab 2.00

Reproductive, endocrine, circulatory, excretory and respiratory systems with emphasis on their normal physiology. Includes a demonstration of physiological principles, dissection of appropriate specimens and microscopic examination of tissues. Prerequisite: BIOS 112. Offered: Summer, Fall, Winter, Spring. Course fee: \$30.

BIOS 114

Anatomy and Physiology II 3.00 Credits Class 3.00 Lab 2.00

Nervous, special sensory, integumentary, skeletoarticular, muscular and digestive systems with emphasis on their normal physiology. Laboratory experience offer the opportunity to further clarify learning through the use of audiovisuals and microscopic and gross exercises illustrating anatomical and physiological properties. Prerequisite: BIOS 112. Offered: Fall, Winter, Spring. Course fee: \$30.

BIOS 115

Anatomy and Physiology of the Eye

Člass 3.00 Lab 0.00

Prerequisite: BIOS 112. Offered: Winter. Course fee: \$30.

BIOS 120 Botany

3.00 Credits Class 2.00 Lab 3.00

Study of taxonomy as well as structural and functional adaptations of major phyla. Offered: Fall, Winter. Course fee: \$40.

BIOS 125

Basic Pathology

2.00 Credits Class 2.00 Lab 1.00 Introduction to diseases with emphasis on diseases of the blood, heart,

blood vessels, excretory system, digestive system, liver, gallbladder, pancreas, respiratory system, endocrine system, reproductive system, nervous system, bones, joints, muscles and skin. Includes diseases related to hereditary disorders and neoplasia. Prerequisites: BIOS 113 and BIOS 114.

BIOS 126

Fluids and Electrolytes

Class 1.00 1.00 Credit Lab 1.00 Life needs of the cell with an introduction to basic chemistry. Emphasizes assessment data, body fluids, electrolytes and acid base balance/imbalance. Prerequisites: BIOS 113 and BIOS 114.

BIOS 127 Forest Soils

3.00 Credits Class 2.00 Lab 3.00

The development, interpretation and mapping of forest soils. Techniques in analyzing physical and chemical properties of soil. Includes problem soils and the impact of forestry practices on soil conditions. Offered: Winter. Course fee: \$15.

BIOS 129

Herbaceous Plants

Class 3.00 3.00 Credits Lab 0.00

BIOS 130

Rainforest Ecology

Class 1.00 3.00 Credits Lab 6.00

Offered: Winter. Course fee: \$414.

BIOS 132 Field Biology

3.00 Credits Class 2.00 Lab 3.00

Studies the identification of the spring flowering plants; life histories, habitat requirements and field identification or reptiles, aquatic insects and amphibians, including an introduction to fresh water ecology. Offered: Spring. Course fee: \$25.

BIOS 135 Basics of Health and Disease

1.00 Credit

Class 1.00 Lab 1.00

Emphasizes the inflammatory process, immunity, allergies, auto immune disorders, hereditary diseases, and gene markers. Fluid and electrolytes are covered including related lab values. Acid-base balance is introduced along with a review of basic chemistry and medical terminology. Prerequisite: BIOS 112. Offered: Summer, Fall, Winter.

BIOS 140

Technical Aspects Anatomy and Physiology 3.00 Credits Class 3.00 Lab 1.00

Anatomy and physiology of body systems. Fluids and electrolytes are covered as well as basics of pathology. Prerequisite: Admission to Enrichment. Offered: Fall.

BIOS 141

BIOS 141
Advanced Field Botany
Class 1.00
Class 1.00 Lab 3.00

Plant systematics, morphological characteristics and floral formulas for identification of plants in the field and lab with a strong emphasis on evaluating and implementing research techniques, including literature searches, and field research into species, populations and community. Prerequisite: BIOS 120. Course fee: \$25.

**BIOS 151** 

Massage Anatomy and Physiology I

4.00 Credits Class 4.00 Lab 0.00

An intensive study of the cellular and tissue levels of organization. A study of the integumentary system as well as principles of support and movement as accomplished by the skeletal, articular and muscular body systems will be included. Prerequisites: HC 100, HC 110, HC 120, HC 122, HC 123 and HC 124. Offered: Fall.

Massage Anatomy and Physiology II

4.00 Credits Class 4.00 Lab 0.00

The study of the control systems of the body with emphasis on healthy physiology of the nervous and endocrine systems. Some pathology as pertains to those particular systems will be included as will the healing

effects of massage. Prerequisite: BIOS 151. Offered: Winter.

Massage Anatomy and Physiology III

4.00 Credits Class 4.00

Lab 0.00

A study of the maintenance of the human body including how the body maintains homeostasis on a daily basis. A study of the interrelations among the cardiovascular, lymphatic, respiratory, digestive and urinary systems will be included. Prerequisite: BIOS 152. Offered: Spring.

Massage Anatomy and Physiology IV

4.00 Credits Class 4.00 Lab 0.00

The endocrine systems, the cardiovascular system including the heart,

blood, vessels and hemodynamics, and the lymphatic system as it pertains to massage therapy. Prerequisite: BIOS 153. Offered: Summer.

BIOS 155

Massage Anatomy and Physiology V

4.00 Credits Class 4.00 Lab 0.00

Respiratory system, metabolism, the urinary system, fluid, electrolyte and acid-based homeostasis, the reproductive system and development and inheritance as it pertains to massage therapy. Prerequisite: BIOS 154. Offered: Fall.

BIOS 170

Zoology 3.00 Credits

Class 2.00 Lab 3.00 An introductory zoology course with emphasis on taxonomy and structural and functional adaptations of major animal phyla. Offered: Fall, Winter. Course fee: \$40.

BIOS 200

Pathophysiology for Nurses

Lab 1.00 3.00 Credits Class 3.00 Designed for the Level II Nursing student to explore recurring pathological changes in body structure and function leading to alterations in health. Emphasis on identifying interferences in basic human needs of metabolism, immunity, tissue perfusion, cardiovascular, respiratory, renal, and neurological function. Correlation in the clinical setting with expected human responses, signs, symptoms and laboratory data. Prerequisite: BIOS 135. Offered: Winter.

BIOS 201

Advanced Anatomy

4.00 Credits Class 3.00 Lab 3.00

Detailed study of the anatomy of the musculoskeletal and cardiovascular systems concentrating on, but not limited to, muscle origins, insertions and innervations. The laboratory component includes the study of human cadavers. Prerequisite: Admission to PTA. Offered: Summer. Course fee:

BIOS 202 Kinesiology

4.00 Credits

Class 3.00 Lab 2.00

An introduction to biomechanical principles of human movement with applications to physical therapy assessment and treatment. Prerequisite: Admission to PTA. Offered: Summer. Course fee: \$55.

BIOS 235 Entomology

3.00 Credits Class 2.00 Lab 2.00

Covers taxonomy and ecology of the common insect orders and families, including collection, preservation and display, exploration of insect environments, life histories, population dynamics and impacts on human culture. Course fee: \$85.

BIOS 239

Aquatic Entomology

3.00 Credits Class 2.00 Lab 2.00 Identification, ecology and collection of Ohio aquatic insect species. Includes field and laboratory identification, use of taxonomic keys, and sampling methods. Course fee: \$20.

**BIOS 257** 

Night Field Biology

2.00 Credits Class 2.00 Lab 1.00

An outdoor field course introducing animals often heard, but seldom seen at night. Frogs, toads, salamanders, night birds, and aquatic insect life are some examples. Students are introduced to spring wildflowers and wild foods This is a general introduction to Ohio's night life designed for the public, as well as the interested student. This course is not based on classification, but on meeting the plants and animals in their environment. Course fee: \$10.

BIOS 268 Ichthyology

3.00 Credits Class 2.00 Lab 3.00

Studies the identification, ecology and morphology of Ohio fish species, including field and laboratory identification, use of taxonomic keys, fish community sampling methods and community assessment indices. Offered: Spring.

BIOS 271 Ornithology

3.00 Credits Class 2.00 Lab 3.00

A study of local birds including both migrants and residents. Habitat requirements, nesting habits, general behavioral patterns and anatomical characteristics are studied. Prerequisites: NR 111, NR 121 and REC 210. Offered: Spring. Course fee: \$10.

BIOS 272 Herpetology

Class 2.00 Lab 2.00

An introduction to reptiles and amphibians with emphasis on Ohio species. Techniques of capturing, handling and maintaining species in captivity and ecology, behavior and evolution of the major groups are discussed. Course fee: \$10.

BIOS 290

**Biological Sciences Special Topics** 

0.25-5.00 Credits Class 0.25-5.00 Lab 0.00

# **BUS** Business

BUS 100 PACE

Small Business Management I 3.00 Credits Class 3.00

Lab 2.00

Principles of operating a business from the standpoint of ownership. Covers small business in the U. S., starting a business, problems in starting a business, management functions applied, financing and capital, physical plant, legal considerations, licenses and government regulations. Offered: Summer, Fall, Winter, Spring. Course fee: \$5.

PACE

BUS 101 Small Business Management II

3.00 Credits Class 3.00 Lab 2.00
Continuation of principles of operating a business focusing on daily operations. Advertising/promotion, marketing, accounting/record keeping, cash flow, employment/payroll, insurance, contracts, purchasing/buying, security, management of time/priorities and handling problems. Offered: Summer, Fall, Winter, Spring. Course fee:

BUS 102 PACE

Principles and Practices of Management I 3.00 Credits

Lab 2.00 Class 3.00

First in a two part series providing a comprehensive introduction to management theory and practice. Planning and organizing provide the major focus. Offered: Summer, Fall, Winter, Spring.

PACE

Principles and Practices of Management II 3.00 Credits Class 3.00

Lab 2.00

Second in a two part series continues the examination of management theory and practice with an emphasis on current trends in management. Along with leadership and motivation, the course discusses both the individual and interpersonal processes contributing to this part of management. Prerequisite: BUS 102. Offered: Summer, Fall, Winter, Spring.

BUS 105

History of American Business

Class 3.00 3.00 Credits Lab 0.00

Origins and development of modern American business. Emphasizes the nature of the economic, social and political environments, the manner in which such environments affect business policy and how lessons from the past relate to present business practices. Offered: Fall.

BUS 106

International Business

Class 3.00 3.00 Credits Lab 0.00

Understanding the functions, responsibilities, advantages, problems and operations of international corporations in a global marketplace. Prerequisite: BUS 100. Offered: Fall. Course fee: \$60.

BUS 110 Marketing

3.00 Credits Class 3.00 Lab 2.00

Fundamentals of modern marketing. Consumer behavior, marketing strategy, product pricing and promotion and distribution. Offered: Fall. Course fee: \$5.

BUS 120 PACE

Personal Finance 3.00 Credits

Class 3.00 Lab 0.00

Consumer information on coping with major financial decisions in life including taxes, consumer credit, insurance and savings plans. Offered: Summer, Fall, Winter, Spring.

BUS 125

Principles of Finance

4.00 Credits Class 3.00 Lab 3.00 Financial operations of small, medium and large businesses and investors. Prerequisite: ACC 100. Offered: Fall.

BUS 130

Sales

3.00 Credits Class 2.00 Lab 3.00 Introduction to the sales function in the retail sphere of operations including the selling background such as product, customer, competition analysis and the company; the selling process covering planning, the sales presentation, handling objections and questions, and closing the sale; the differences between industrial and retail selling with emphasis on retail selling; and sales management including construction of sales forces and program planning.

BUS 165 Advertising

3.00 Credits Class 3.00 Lab 2.00

External advertising for retail operation covering basic advertising areas including television, radio, newspaper, magazine, direct mail and outdoor. Concentration on practical matters for budgeting, media selection, copy writing, layout and design, campaign construction and market segmentation. Offered: Fall. Course fee: \$15.

BUS 170

Fundamentals of Business I 3.00 Credits

Class 3.00 Lab 2.00

Introduces the basic areas involved in most modern businesses. An overview of economics, business organization, ethics and social responsibility, management, human relations, human resource management and labor relations. Offered: Summer, Fall, Winter, Spring. Course fee: \$7.

BUS 171

PACE

Fundamentals of Business II

Class 3.00 Lab 2.00 3.00 Credits

Overview of marketing channels and promotion. Includes examination of money and banking, financial management, securities, risk management, international business and entrepreneurship. Offered: Summer, Fall, Winter, Spring. Course fee: \$7.

BUS 180

PACE

**Business Ethics** 

3.00 Credits Class 3.00 Lab 0.00 Ethical problems encountered in the business world through discussion of contemporary social issues facing business. Topics include individual work habits, employee responsibilities and community involvement. Offered: Summer, Fall, Winter.

BUS 185 PACE

Retail Management

Class 3.00 3.00 Credits

Lab 0.00 Introduction to retail industry from a management perspective. Structure and opportunities in retailing, franchising, location and layout, organization, sales promotion, customer services, merchandise management and control, buying procedures, markup, pricing, stock turnover and analysis of current merchandising policies. Offered: Fall.

BUS 186 Retail Store Operations

Class 3.00 3.00 Credits Lab 0.00 Daily operations in retail institutions. Emphasis on the role and responsibility of the manager. Offered: Winter.

BUS 200 **Business Law** 

3.00 Credits Class 3.00 Lab 0.00

The legal environment within which business must operate. The study of US Civil Law, US Court Systems, alternative dispute resolution methods, the US Constitution and traditional business law topics. The above topics will be integrated with the environmental factors of ethics, social responsibilities, current legal issues, cultural diversity, international law and international issues. Offered: Summer, Winter, Spring.

BUS 201

Advanced Business Law

4.00 Credits Class 4.00 Lab 0.00

An introduction to the wide range of legal limitations and concerns placed upon business and the consumer by various legal systems. Areas of study are: civil law of property, insurance, wills/trusts, credit/ bankruptcy, agency, business organization(s) and employment law integrated with the environmental factors of ethics, social responsibility, current legal issues, cultural diversity, international law and international issues. Prerequisite: BUS 200. Offered: Spring.

BUS 206

E-Commerce Business on the Net

3.00 Credits Class 3.00 Lab 2.00

Overview of the many aspects of doing business online, including website design and maintenance, online advertising, consumer security and online buying. Course fee: \$36.

BUS 208

International Money Matters

3.00 Credits Class 3.00 Lab 0.00

Designed to familiarize the student with tools used in financing and collections of international transactions. Prerequisite: BUS 106.

BUS 210

Human Resources Management

3.00 Credits Class 3.00 Lab 2.00 Techniques of managing people and rules and laws regulating employment. An understanding of the principles of management prior to entering the course is helpful. Prerequisite: BUS 103. Offered:

BUS 211 Advanced Marketing PACE

3.00 Credits

Lab 2.00

Class 3.00 Examines complex applications of marketing theory. Emphasizes actual cases involving many well-known names and organizations. Prerequisite: BUS 110. Course fee: \$36.

BUS 230

Labor-Management Relations

3.00 Credits Class 3.00 Lab 2.00 Labor and management relations and the roles of management and unions in our society. The course is objective in its context and avoids being judgmental in presenting the parts currently played by labor and management in their struggle for progress in the work area.

BUS 240

Managerial Accounting
3.00 Credits Class 2.00 Lab 3.00 Managerial control and decision making through the use of accounting methods. Emphasizes cost control, accounting for overhead, capital budgeting and inventory control. Prerequisite: ACC 100. Course fee:

BUS 243

**Business Systems Control** 

3.00 Credits Class 2.00 Lab 3.00

Operation and function of internal control in the modern business. Topics include auditing procedures, asset maintenance and special problems relating to security. Offered: Fall. Course fee: \$5.

BUS 247

Excel for Windows 3.00 Credits

Class 2.00 Lab 3.00

Introduction to the use of Excel for business applications. Excel's use as a spreadsheet, graphics and database tool is preceded by an introduction to the Microsoft Windows operating system, which is required for Excel. Offered: Fall, Winter, Spring. Course fee: \$36.

BUS 248

Advanced Excel

Class 2.00 Lab 3.00

Use of MS Excel spreadsheet program for managerial and analytical applications including payroll accounting, depreciation of fixed assets and inventory. Prerequisites: ACC 100 and BUS 247. Offered: Winter, Spring. Course fee: \$36.

BUS 250

Events Planning and Operations I 1.00-2.00 Credits Class 1.00

Lab 3.00 Development of public relation skills and distribute literature at

information centers. Offered: Fall.

BUS 251

Events Planning and Operations II 1.00-2.00 Credits Class 1.00

Class 1.00 Lab 3.00

Utilizing acquired skills while supervising, scheduling and managing a visitor information center. Offered: Fall.

BUS 260

Business Planning

2.00 Credits

Class 1.00 Lab 3.00

Functions necessary to develop and start a business, culminating in the submission of a business prospectus by each student. Prerequisite: BUS 101. Offered: Fall, Spring. Course fee: \$24.

BUS 266

Entrepreneurship

3.00 Credits Class 3.00 Lab 0.00 Methods for starting one's own business. Includes a general understanding of products, services and markets; the business plan; capital and other assets; the marketing plan; and legal and financial considerations. Course fee: \$36.

BUS 267 Project Management

Class 3.00 3.00 Credits Lab 0.00 Developing and managing projects within organizations. Includes defining the project, goals and objectives, budgeting, scheduling, building the team, activity management, developing milestones, and evaluating outcomes. Examination of use of grants, contracts, computers and other technical assistance as components of a project. Course fee: \$25.

**Business Management Special Topics** 

0.50-5.00 Credits Class 0.50-5.00 Lab 0.00

Structured exploration of a specific topic(s) by participants in a group.

Business Management Individual Study

1.00–5.00 Credits Class 1.00–5.00 Lab 0.00 Individual study or research. Topics are arranged with instructor permission on an individual basis.

BUS 292

Business Management Field Experience

1.00-4.00 Credits Class 0.00 Lab 12.00-48.00 On-the-job training in a business management facility through special arrangement with an instructor.

BUS 293

Business Management Directed Practice 2.00–8.00 Credits Class 1.00 Lab 5.00-35.00 Instruction in the performance of a particular function from an assigned instructor, which is then observed and critiqued in a repeat performance of that function by the instructor.

Business Management Cooperative Work Experience 2.00–8.00 Credits Class 1.00 Lab 10. 2.00–8.00 Credits Class 1.00 Lab 10.00–70.00
An on- or off-campus paid work experience coordinated by a faculty member with at least one on-site visit during the quarter. Each student must be enrolled in an on-campus seminar. One credit is awarded for a minimum of ten clock hours of work experience scheduled during a standard work week.

BUS 296

**Business Management Practicum** 

2.00 Credits Class 1.00 Lab 7.00

The student is placed in a work environment for a minimum amount of time to gain experience before graduation. Offered: Spring.

BUS 297

**Business Management Observation Hour** 

1.00-3.00 Credits Class 0.00 Lab 15.00-45.00 Participation in an educational experience as observers of practitioners representative of the occupational area. The student may participate at times in the actual work activity.

BUS 298

Business Management Internship

Class 0.00-3.00 3.00-9.00 Credits Lab 20.00-40.00 On-the-job training in the work place of a cooperating agency. Coordinated by an instructor.

# CAGS

# Compressor

CAGS 100

Precision Instruments

Class 1.00 Lab 6.00 In-depth study of precision instruments. Bore calipers, vernier calipers, micrometers and other commonly used devices. Fits and tolerances are discussed as well as the use of factor manuals. Course fee: \$39.

CAGS 100 A

Precision Instruments - A

Class 1.00 1.00 Credit Lab 1.00

In-depth study of precision instruments including history measurement as well as linear and metric scales. Offered: Fall. Course fee: \$13.

CAGS 100 B

Precision Instruments - B

1.00 Credit Class 1.00 Lab 1.00

In-depth study of precision instruments including micrometers, vernier calipers, and telescoping gauges. Offered: Winter. Course fee: \$13.

CAGS 100 C

Precision Instruments - C

1.00 Credit Class 1.00

In-depth study of precision instruments including small hole gauges,

dial bore gauges, and dial calipers. Offered: Spring. Course fee: \$13.

CAGS 101

Introduction to Compressed Air Systems 3.00 Credits Class 3.00

Class 3.00 Lab 0.00 Introduction to the compressor technology. Provides an overview of various types of compressors and conditioning equipment utilized by industry. Theory of gas compression, compression ratios and gas laws. Offered: Fall. Course fee: \$40.

**CAGS 102** 

Compressed Air Applications 3.00 Credits Class 3

Class 3.00 Lab 0.00 Various applications for compressed air, including everything from air tools to air powered drilling equipment. Emphasizes the various requirements placed upon the air supply to meet these applications. Offered: Fall. Course fee: \$35.

CAGS 110

Reciprocating Compressors I

4.00 Credits Class 2.00 Lab 6.00 Introduction to compressors widely used by industry. Includes instruction in tear down and reassembly of smaller types of reciprocating compressors typically found in the work place. Offered: Winter. Course fee: \$40.

CAGS 111

Lubricants, Gears, and Bearings

2.00 Credits Class 2.00 Lab 0.00 Types of lubricating demands required by all types of equipment, lubrication qualities of various types and grades of oil including studies in viscosity, flash points and synthetic lubricants, types of gears and bearings used in industrial equipment. Offered: Winter. Course fee: \$30.

CAGS 112

Air and Gas Condition

Class 1.00 3.00 Credits Lab 6.00

Auxiliary equipment used in a compressed air system to provide the quality of air required for specific process applications, maintenance and repair of filtering devices, refrigerative dryers, after coolers and other associated equipment. Offered: Winter. Course fee: \$45.

**CAGS 116** 

Reciprocating Compressors II

4.00 Credits Class 2.00 Lab 6.00 Continuation of CAGS 110 with training on large industrial and multistage compressors. Offered: Spring. Course fee: \$40.

Hydraulics and Pneumatics

3.00 Credits Class 2.00

Lab 3.00

Hydraulic and pneumatic controls utilized by compressed air systems, schematic interpretation, diagnosis and repair of equipment. Prerequisite: MATH 108. Offered: Spring. Course fee: \$40.

CAGS 118

Process Gas Compressors and Boosters

3.00 Credits Class 2.00 Lab 3.00

Requirements placed on compressors when specialized process gases are being utilized. Seal requirements, filtration and an overview of the conditions encountered when compressing with a pressurized inlet are also examined. Offered: Spring. Course fee: \$40.

CAGS 200

Rotary Screw Compressors 4.00 Credits Class

Class 2.00 Lab 6.00

Maintenance and repair of rotary screw compressors, as well as tear down and reassembly of various types of rotary screw compressors. Includes staging, lubrication, filtration and cooling requirements.

Offered: Fall. Course fee: \$30.

**CAGS 201** 

Plant Equipment - Installation

3.00 Credits Class 2.00 Lab 3.00

Requirements for equipment installation, foundation and grouting, piping, commissioning and start-up. Offered: Fall. Course fee: \$30.

**CAGS 202** 

Controls I

3.00 Credits Class 2.00 Lab 3.00

Electrical controls utilized by industrial equipment systems, functional control panels and interpretation of electrical ladder diagrams, voltohm meters, amp meters and other associated electrical test equipment. Offered: Winter. Course fee: \$40.

CAGS 204

Compressed Air Systems Troubleshooting

3.00 Credits Class 2.00 Lab 3.00 Logic and skills required for effective troubleshooting. Hands-on training on a totally functional air system, which allows students to sharpen skills learned in preceding courses and to apply these skills in a logical progression to resolve a fault in the system. Offered: Winter. Course fee: \$40.

CAGS 205 Controls II

3.00 Credits Class 2.00 Lab 3.00
Proficiency in electrical troubleshooting of controls, maintenance and

repair of electrical motors and reinforcement of associated control circuits. Prerequisite: CAGS 202. Offered: Spring. Course fee: \$50.

Centrifugal Compressors

3.00 Credits Class 2.00 Lab 3.00 Knowledge and skills required to maintain and repair centrifugal compressors with competency-based, hands-on instruction in tear down and reassembly. Offered: Spring. Course fee: \$40.

CAGS 207 Air System Design 3.00 Credits

3.00 Credits Class 2.00 Lab 3.00
A practical application of all knowledge obtained in the compressor technology, the student designs an air system to meet a particular application including sizing, installation, controls, safeties, auxiliary conditioning equipment and all other variables required for a trouble free system. Offered: Spring. Course fee: \$40.

CAGS 208 Basic Refrigeration 4.00 Credits

Class 3.00 Lab 3.00

An introduction to types of systems available in the industry, covering the topics of heat: quantity, type and intensity; gas laws and properties; system component analysis and selection; piping layout and system capacity control. Offered: Fall. Course fee: \$45.

CAGS 209 NGV Fill Station Repair and Maintenance

Class 2.00 2.00 Credits Lab 0.00

Proper maintenance and troubleshooting procedures needed to operate an NGV refueling station, with special emphasis given to the topics of safety, preventive maintenance, and electrical-mechanical diagnostic procedures. Course fee: \$45.

CAGS 210

Vacuum Pumps and Blowers

3.00 Credits Class 2.00 Lab 3.00 An in-depth study of vacuum pumps (liquid ring, reciprocating, etc.) and high volume, low pressure blowers as they are utilized in various industries. Special emphasis is given to maintenance and repair techniques that can be employed in servicing these specialized types of

compressors. Offered: Winter. Course fee: \$40.

Refrigerant Technician Certification Seminar

0.25-1.00 Credits Class 0.25-1.00 Lab 0.00 Completion of this course provides certification, as required by The Clean Air Act Amendment of 1990, for technicians who service, install, and maintain air conditioning and refrigeration equipment. Course fee: \$150.

CAGS 281

CAGS 280

**FPS Pneumatic Technician Certification** 

Lab 0.00 2.00 Credits Class 2.00

Preparation for the Pneumatic Technician certification test given by the Fluid Power Society. Course fee: \$10.

Compressor Special Topics

1.00-5.00 Credits Ċlass 1.00-5.00 Lab 0.00

Structured exploration of a specific topic(s) by participants in a group.

Compressor Individual Study 1.00-5.00 Credits Class 1.00-5.00 Lab 0.00

Individual study or research. Topics are arranged on an individual basis with instructor permission. Course fee: \$10.

CAGS 292

Compressor Field Experience

1.00-4.00 Credits Class 0.00 Lab 12.00-48.00 On-the-job training in a compressor facility through special arrangements with an instructor. Course fee: \$10.

**CAGS 293** 

Compressor Directed Practice 2.00–8.00 Credits Class 1.0

Class 1.00 Lab 5.00-35.00 Directed practice instruction in the performance of a particular function from an assigned instructor, and then observed and critiqued by the instructor in a repeat performance of that function. Course fee:

**CAGS 294** 

Compressor Cooperative Work Experience 2.00–5.00 Credits Class 1.00 Lab 10.00-40.00 An on- or off-campus paid work experience coordinated by a faculty member with at least one on-site visit during the quarter. Each student must be enrolled in an on-campus seminar. One credit is awarded for a minimum of ten clock hours of work experience scheduled during a standard work week.

CAGS 296

Compressor Practicum

2.00 Credits Class 1.00 Lab 7.00

The student is placed in a work environment for a minimum amount of time to gain experience before graduation. Course fee: \$10.

**CAGS 297** 

Compressor Observation Hour

1.00-3.00 Credits Class 0.00 Lab 15.00-45.00 Participation in an educational experience as observers of practitioners representative of the occupational area. The student may participate at times in the actual work activity. Course fee: \$10.

CAGS 298

Compressor Internship

Class 0.00-3.00 3.00-9.00 Credits Lab 20.00-40.00 On the job training in the work place of a cooperating agency. Coordinated by an instructor. Course fee: \$10.

# CER Ceramic

CER 104

Combustion I

3.00 Credits Class 3.00 Lab 2.00

Fundamentals of combustion including flame patterns, fuels, combustion chemistry, efficiency and fuel economics. Prerequisites: CHEM 102 and MATH 110. Offered: Spring. Course fee: \$60.

Structural Clay Products

3.00 Credits Class 3.00 Lab 2.00

Study of raw materials, compositions, manufacturing processes, properties, test methods, standards, and environmental issues related to the Structural Clay Products segment of the ceramics industry. Related areas such as masonry cements are also addressed. Offered: Fall. Course fee: \$60.

Focus on Ceramics I

1.00 Credits Class 1.00 Lab 1.00 An introduction to ceramic industries and career opportunities

featuring current events and specific segments of the field. Includes common processing methods and tests to emphasize importance of technical resources and followership. Offered: Fall.

CER 115

Focus on Ceramics II 1.00 Credit

Class 1.00 Lab 1.00

Current events in the ceramic industries and specific segments of the field, including common processing methods and tests to practice mentoring and leadership. Prerequisite: CER 110. Offered: Fall.

CER 120 Refractories

3.00 Credits Class 3.00 Lab 2.00

Study of raw materials, compositions, manufacturing processes, properties, test methods, standards, and environmental issues related to the Refractories segment of the ceramics industry. Related topics such as high temperature cements and abrasives are also addressed.

Prerequisites: MATH 108 E and CHEM 100. Offered: Winter. Course fee:

**CER 130** 

Whitewares

Class 3.00 Lab 2.00

Study of raw materials, compositions, manufacturing processes, properties, test methods, standards, and environmental issues related to the Whitewares segment of the ceramics industry. Related topics such as art ceramics are also discussed. Prerequisites: CER 120 and COMM 122. Offered: Spring. Course fee: \$60.

Combustion II 3.00 Credits

Class 3.00 Lab 2.00

Examines fuel burning systems, including furner equipment, piping, and controls; combustion analysis; heat transfer as it affects refractory and burner system designs; and the use of kilns and furnaces to manufacture products. Prerequisites: CER 104 and COMM 122. Course fee: \$60.

203

Statistical Quality and Process Control

3.00 Credits Class 2.00 Lab 4.00

The theory of quality control in manufacturing processes, profitable systems and customer satisfaction is discussed, as well as the organization of quality control and the implementation of basic quality control methods. Prerequisites: COMM 122 and MATH 108. Course fee:

CER 205

Current Topics and Technology 0.50-3.00 Credits Class 0.50-3.00 Lab 0.00

An introduction to new developments in the field of ceramic materials.

CFR 206

Ceramic Industry Practice

Class 1.00 3.00 Credits Lab 6.00

Visits to ceramic plants and laboratories provide insight into methods, processes and procedures for producing and testing ceramic materials and products. Prerequisite: COMM 122. Offered: Winter. Course fee:

CER 207 Standard in Industry

Class 3.00 3.00 Credits Lab 2.00

Refractories and other ceramic and materials industries by reviewing manufacturing processes and integrating standard terminology, testing procedures, classifications and specifications. Prerequisites: CHEM 100 and COMM 122. Offered: Spring. Course fee: \$60.

CER 208 Technical Laboratory Class 3.00 Lab 3.00 Use of precision equipment used for analysis, investigation and determination of material properties in the ceramic and other material industries is discussed. Prerequisites: COMM 122 and MATH 112. Offered: Spring. Course fee: \$60.

209 CER

Industrial Projects

2.00 Credits Class 1.00 Lab 3.00

Problems submitted by industrial companies are defined and solution procedures are determined by students in collaboration with the faculty and industrial technical personnel, requiring application of previously learned laboratory skills. Offered: Spring. Course fee: \$60.

CER 210

Glasses, Glazes, and Enamels

4.00 Credits Class 3.00 Lab 3.00

Raw material composition, physical properties and manufacturing processes of glass as well as the use of glassy coatings for ceramics and metals. Includes exercises in batch calculating, application, testing and decorating techniques. Prerequisites: CHEM 102, COMM 122, and MATH 108. Offered: Fall. Course fee: \$60.

**Engineering Ceramics** 

3.00 Credits Class 3.00 Lab 2.00

Offered: Winter.

Design of Experiments and Statistical Applications 3.00 Credits Class 3.00 Lab 2.00

Prerequisite: CER 203. Offered: Winter.

CER 245

Advanced Composites

Class 3.00 3.00 Credits Lab 2.00 CER 290 PACE

Ceramic Special Topics

0.50-5.00 Credits Class 0.50-5.00 Lab 0.00

Structured exploration of a specific topic(s) by participants in a group. Course fee: \$15.

CER 291

Ceramic Individual Study

1.00-5.00 Credits Class 1.00-5.00 Lab 0.00

Individual study or research. Topics are arranged on an individual basis with instructor permission.

CER 292 Ceramic Field Experience

Class 0.00 1.00-4.00 Credits Lab 12.00-48.00 On-the-job training in a Ceramics facility through arrangements with an instructor.

CFR 293

Ceramic Directed Practice 2.00-8.00 Credits Class Class 1.00 Lab 5.00-35.00 Directed practice instruction in the performance of a particular function from an assigned instructor, and then observed and critiqued in a repeat performance of that function by the instructor.

CER 294

Ceramic Cooperative Work Experience 2.00–5.00 Credits Class 1.00

Lab 10.00-40.00 An on- or off-campus paid work experience coordinated by a faculty member with at least one on-site visit during the quarter. Each student must also be enrolled in an on-campus seminar. One credit is awarded for a minimum of ten clock hours of work experience scheduled during a standard work week. Offered: Summer.

CER 296

Ceramic Practicum

2.00 Credits Class 1.00 Lab 8.00

The student is placed in a work environment for a minimum amount of time to gain experience before graduation. Offered: Spring.

CER 297 Ceramic Observation Hour

1.00-3.00 Credits Class 0.00 Lab 15.00-45.00 Participation in an educational experience as observers of practitioners representative of the occupational area. The student may participate at times in the actual work activity.

CER 298

Ceramic Internship

3.00-9.00 Credits Class 0.00-3.00 Lab 20.00-40.00 On-the-job training in the work place of a cooperating agency. Coordinated by an instructor.

# CHEM Chemistry

**CHEM 100** 

Introduction to Chemistry I

Class 3.00 Lab 2.00

Chemical principles as related to fundamental concepts as well as everyday experiences. Basic chemical concepts, structure of matter, nature of elements, bonding and naming of compounds. Prerequisite: MATH 102. Offered: Fall, Spring. Course fee: \$30.

CHEM 102

Introduction to Chemistry II

3.00 Credits Class 3.00 Lab 2.00

The second introductory course in chemical principles. Topics include chemical calculations, properties of liquids, solids and gases, water solutions, chemical equilibrium and acid/base chemical reactions. Prerequisites: CHEM 100 and MATH 102. Offered: Winter. Course fee:

CHEM 130

Fundamentals of Chemistry

Class 3.00 4.00 Credits Lab 3.00

Atomic and molecular structure, periodic table and states of matter. Prerequisite: MATH 102. Offered: Winter. Course fee: \$110.

**CHEM 131** 

**Environmental Chemistry** 

Class 3.00 4.00 Credits Lab 3.00 A general course in fundamental chemical principles, including inorganic, organic and environmental aspects. Problem solving, experimentation measurements, and application are explored. Prerequisite: MATH 108 N. Offered: Winter. Course fee: \$30.

**CHEM 290** 

Chemistry Special Topics 1.00–5.00 Credits Cla Class 1.00-5.00 Lab 0.00 Structured exploration of a specific topic(s) by participants in a group.

Chemistry Independent Study 1.00-5.00 Credits Class 1.0 Class 1.00-5.00 Lab 0.00

Individual study or research. Topics are arranged on an individual basis with instructor permission.

CJ

# Criminal Justice

100

Criminal Justice Systems

3.00 Credits Class 3.00 Lab 2.00

Introduction to law enforcement, prosecution, courts and corrections components of the system of justice in the U.S. Considers the history, philosophy and functions of these components as well as current problems and issues. Offered: Fall. Course fee: \$10.

105

Sign Language 1.00 Credit

1.00 Credit Class 0.00 Lab 2.00 Introduction to communication needs of the deaf community. The student learns and practices conversational sign language skills that Class 0.00 will facilitate the provision of services to signing clients and their families. Course fee: \$50.

121

Ohio Criminal Law

2.00 Credits Class 2.00 Lab 2.00 Comprehensive study of the Ohio Revised Code. Elements of offenses are identified and applied to hypothetical situations enabling the student to apply the law and determine appropriate charges. A consideration of the laws that govern the operation of Ohio's criminal justice system. Offered: Fall.

CJ 127 Victim Awareness

Class 3.00 3.00 Credits Lab 0.00 Impact of victimization and its relevance in the treatment of the offender. Impact of criminal behavior on the victim; how the offender convinces others that he is the victim; and how criminal thinking and rehabilitation. Role playing as a technique and its use in victim awareness programs. Offered: Winter. Course fee: \$10.

132

Law Enforcement Photography

3.00 Credits Class 2.00 Lab 4.00

Photographic techniques for recording evidence and presenting photographic evidence in court. Emphasizes photographing of evidence as a component of investigations. Prerequisite: CJ 130. Offered: Fall. Course fee: \$100.

150

Juvenile Delinquency and Procedures

Class 2.00 Lab 0.00 Juvenile procedures and delinquency. Causes and prevention of delinquency and the rules governing the disposition of juveniles from intake to the final adjudication. Offered: Fall. Course fee: \$10.

CJ 181 Aikido Self Defense

1.00 Credit Class 0.00 Lab 3.00 Aikido based self defense study of the use of force and defensive tactics. Focuses on joint lock and joint manipulation of the wrist, elbow and shoulder. Each student should be in sound physical condition prior to participation. Course fee: \$25.

ASP Tactical Baton Basic Certification

Class 0.00 Lab 1.50 Handling and proper application of the ASP Tactical Baton, ASP certification will be given for successful completion. Course fee: \$25.

Chemical Abuse and Dependency

3.00 Credits Class 3.00 Lab 2.00 Topics pertinent to drug and alcohol abuse in the U.S. Effects of stimulants, depressants and hallucinogens, identification of drugs and drug users, drug offenses, the history of drug laws, law enforcement strategies, alcoholism and treatment and prevention methods. Offered: Summer, Fall, Winter, Spring. Course fee: \$20

PACE

Substance Abuse Treatment 3.00 Credits Class 3.00

Lab 2.00

Effects of substance abuse on the biological, social and psychological development of the abuser. Review of criteria for assessing addiction and approaches to treatment of addicts and their families. Approaches include prevention, intervention, education, support services, counseling and relapse prevention. Prerequisite: CJ 190. Offered: Summer, Fall, Winter, Spring. Course fee: \$20.

CJ 211 Intermediate Defensive Pistolcraft

1.00 Credit Class 1.00 Lab 0.00 This program begins with a brief review of the training components comprising the modern technique and progress from where the Defensive Pistolcraft course ends focusing on the defensive application of the handgun. Various drills will be conducted to begin the evaluation and further development of the individuals' skills, including live-fire steel plate precision shooting, discretionary shooting and Action Target's Mover. Emphasis is placed on low-light shooting. Mental conditioning for combat, tactics, target identification, and the principles of-light shooting. Mental conditioning for combat, tactics, target identification, and the principles of personal defense will also be discussed. The goal of this course is to provide the student with the skills, knowledge and practical experience necessary to become safe, responsible and effective in the use of the handgun for self-defense. Defensive Pistolcraft is a prerequisite to this course. Attendance in this program is limited to those participants who have previously attended a training program conducted by Defense Training International. Prerequisite: RNGR 210. Course fee: \$195.

215

PACE

Beginning Firearms

1.00 Credit Class 1.00 Lab 1.00
Close range defensive shooting, handgun familiarization and safe handling practices. Safety, legal issues, psychological aspects of shooting and equipment selection. On the firing range the student progresses from short range single shot to rapid fire, multiple targets and low light shooting. Course fee: \$75.

222

Laws Arrest, Search, and Seizure

2.00 Credits Class 2.00 Lab 0.00

Offered: Winter.

250 Criminology

3.00 Credits

Class 3.00 Lab 0.00 Introduces concerns that constitute criminology as a science.

Terminology, the nature and extent of crime, the causes of crime and criminality, and the impact of crime on social change. Offered: Winter.

Crisis Recognition and Referral

2.00 Credits Class 2.00 Lab 2.00

Developed for paraprofessionals who work in helping relationships. Creates an awareness of crises that develop or occur suddenly in the lives of people and identifies helping behaviors used until professional help is obtained or referral is completed. Various community resources are identified. Offered: Winter, Spring. Course fee: \$10.

PACE

Chemical Dependency Lab Orientation 2.00 Credits Class 2.00

Lab 2.00

An overview of treatment, dependency and intervention, Orientation to Ohio's chemical dependency counselor certification process. Prerequisite: CJ 193. Offered: Summer, Fall, Winter, Spring. Course fee: \$5

PACE

Chemical Dependency Lab I

4.00 Credits Class 1.00 Lab 11.00 Work in a supervised counseling experience in the chemical dependency field meeting requirements of the board. Prerequisites: CJ 193 and CJ 286. Offered: Summer, Fall, Winter Spring. Course fee: \$75.

288

PACE

Chemical Dependency Lab II

4.00 Credits Class 1.00 Lab 11.00

Work in a supervised counseling experience in the chemical

dependency field meeting requirements of the board. Prerequisite: CJ 287. Offered: Summer, Fall, Winter, Spring. Course fee: \$75.

Chemical Dependency Lab III 4.00 Credits Class 1.00

Lab 11.00 Work in a supervised counseling experience in the chemical dependency field meeting requirements of the board. Prerequisite: CJ 288. Offered: Summer, Fall, Winter, Spring. Course fee: \$75.

290

Criminal Justice Special Topics

1.00-5.00 Credits Class 1.00-5.00 Lab 0.00

Structured exploration of a specific topic(s) by participants in a group.

# CM

# Construction Management

Basic Construction Skills

5.00 Credits Class 5.00

Lab 1.00

CM 102 Construction Surveying Class 3.00

Lab 1.00

CM 103

Construction Law

3.00 Credits Class 3.00 Lab 0.00

CM 104

Construction Estimating

Class 3.00 3.00 Credits

Lab 1.00

105

Construction Project Management

3.00 Credits Class 3.00 Lab 1.00

# **CMCP**

# Construction Management - Carpentry

CMCP 271 A

Carpentry Tools and Materials

3.00 Credits Class 3.00

Lab 1.00

Introduction to carpentry trade, wood building materials, fasteners, adhesives, hand and power tools. Includes wood and lumber terms, calculating lumber and wood product quantities, portable power tools. (NCCER 27101, 27102, 27103). Prerequisite: CM 100.

CMCP 271 B

Floors and Walls

3.00 Credits Class 3.00

Introduction to residential floor systems and materials and general procedures used in wall and ceiling framing. Includes floor framing systems, floor systems, sills, floor joists, wood frame wall layout, exterior walls, masonry wall framing construction, metal studs, and estimating frame walls and ceiling materials. (NCCER 27104, 27105). Prerequisite: CMCP 271 A.

CMCP 271 C Roofs, Windows, and Doors

3.00 Credits Class 3.00 Introduction to the methods and procedures used in framing and the

selection and installation of residential windows and exterior doors. Includes types of trusses, roof layout, sheeting, framing, pre-hung windows and doors, thresholds, garage door installation and installation of weather stripping and locksets. (NCCER 27106, 27107). Prerequisite: CMCP 271 B.

**CMCP 272 A** 

Site Layout and Preparation

3.00 Credits Class 3.00 Lab 1.00

Introduction to the principles, equipment and methods used to perform the site layout responsibilities of individuals on-site, understanding and using site plan drawings, and methods of job site communication. Includes construction drawings, site/plot drawing interpretations, measurement conversions, taping and leveling equipment, curing methods and reinforcing materials. (NCCER 27201, 27202, 27203). Prerequisite: CMCP 271 C.

CMCP 272 B

Concrete Foundations and Finishing

3.00 Credits

Class 3.00

Lab 1.00

Introduction to the procedures involved in the construction of concrete foundations and flatwork, concrete form, and equipment and materials used in cutting, bending, splicing and tying reinforcement steel for concrete structures. Includes footings, pier forms, edge forms, screeds and reinforcement bars. (NCCER 27204, 27205, 27206). Prerequisite: CMCP 272 A.

CMCP 272 C Patented Forms and Wall Systems

Lab 1.00 3.00 Credits Class 3.00

Introduction to the procedures involved in the safe handling, placement and finishing of concrete. Includes concrete equipment, concrete finishing, concrete during, patented forms, moving a flying form system, and the installation of tilt-up wall systems. (NCCER 27207, 27208, 27209). Prerequisite: CMCP 272 B.

CMCP 273 A

**Exterior Finishes** 

3.00 Credits Class 3.00 Lab 1.00

Siding and roofing materials used and residential and light commercial construction. Includes installation procedures for wood, metal and vinyl siding, shingles, roll roofing, tiles, roof vents, gutter down spouts and insulation. (NCCER 27301, 27302, 27303). Prerequisite: CMCP 272 C.

CMCP 273 B

Interior Finishes I

3.00 Credits Class 3.00 Lab 1.00

Stairs, metal stud framing and drywall installation techniques. Includes finish stairs, stringers, metal studs, gypsum drywall, fire and sound rated walls, drywall patching and finishing. (NCCER 27304, 27305, 27306, 27307). Prerequisite: CMCP 273 A.

CMCP 273 C

Interior Finishes II

3.00 Credits Class 3.00 Lab 1.00

Installation of doors, ceilings, trim and cabinets. Includes metal door frame, wooden doors, window installation baseboard, ceiling molding, paneling, flooring resilient, carpet installation, hardwood flooring, cabinet construction and installation. (NCCER 27308, 27309, 27310, 27311). Prerequisite: CMCP 273 B.

**CMCP 274 A** 

Advanced Roof and Floor Systems

Class 3.00 Lab 1.00

Advance topic in site layout, roofing systems, flooring materials. Includes site layout tools and instruments, structures and building lines, elevation, commercial roofing, lap seams, floor system structures, floor coverings, working drawings and fireproofing methods. (NCCER 27401, 27402, 27403). Prerequisite: CMCP 273 C.

CMCP 274 B

Advanced Wall and Stair Systems

Class 3.00 Lab 1.00

Advanced wall systems and custom or advanced stair systems. Includes general construction methods, wall finishes, fireproofing, paneling, wainscoting, stair components, finishing stairs, and light construction equipment. (NCCER 27404, 27405, 27406). Prerequisite: CMCP 274 A.

CMCP 274 C

Welding for Carpenters 3.00 Credits CI

Class 3.00 Lab 1.00

Introduction to equipment and procedures used in oxyfuel cutting and shielded metal are welding. Includes safety, start-up, start-restart, equipment, electrodes, electrode classification, codes and welding proficiency. (NCCER 27407, 27408, 27409). Prerequisite: CMCP 274 B.

# CMEL

# Construction Management - Electrical

**CMEL 261 A** 

Electrical Hardware and Safety

Class 3.00 Lab 1.00

Safety rules and regulations for electricians includes precautions for various electrical hazards found on the job, and OSHA mandated lockout/tagout procedure. Introduction to conduit benders, cutting, reaming, and threading conduit; hardware and systems used to mount and support boxes, receptacles, and other electrical components; types of anchors and supports, their applications, and how to install them safely; electrical concepts used in Ohm's Law applied to DC series circuits; atomic theory; electromotive force; resistance; and electric power equations. Prerequisite: CM 100.

CMEL 261 B

**Electrical Theory and Procedures** 

3.00 Credits Class 3.00 Lab 1.00 Introduction to series, parallel and series-parallel circuits, the proper selection, inspection, use and maintenance of common electrical test equipment, types and applications of raceways, wireways and ducts.

Also covers layout of NEC and types of information found within the code book. Prerequisite: CMEL 261 A. CMEL 261 C Wiring Applications 3.00 Credits Class 3.00 Lab 1.00 Types and applications of conductors and proper wiring techniques common to commercial, industrial, and residential construction and maintenance. Includes an introduction to electrical blueprints. Prerequisite: CMEL 261 B. CMEL 262 A Alternating Current Class 3.00 3.00 Credits Lab 1.00 Prerequisite: CMEL 261 C. CMEL 262 b Conductors and Fittings Class 3.00 3.00 Credits Cla Prerequisite: CMEL 262 A. Lab 1.00 CMEL 262 C Electric Service Installation 3.00 Credits Cla Prerequisite: CMEL 262 B. Class 3.00 Lab 1.00 **CMEL 263 A** Load Calculations Class 3.00 3.00 Credits Lab 1.00 Prerequisite: CMEL 262 C. CMEL 263 B Distribution Equipment 3.00 Credits Class 3.00 Lab 1.00 Prerequisite: CMEL 263 A. CMEL 263 C Motors and HVAC Systems 3.00 Credits Class 3.00 Prerequisite: CMEL 263 B. Lab 1.00 CMEL 264 A Lighting and Emergency Systems 3.00 Credits Class 3.00 Prerequisite: CMEL 263 C. Lab 1.00 CMEL 264 B Electronic and Alarm Systems 3.00 Credits Class 3.00 Lab 1.00 Prerequisite: CMEL 264 A. CMEL 264 C CMEL 204 C Solid State Circuitry Class 2.00 Lab 1.00 Prerequisite: CMEL 264 B. CMEL 264 D

1.00 Credits

# Construction Management - HVAC

Class 1.00

HVAC Fundamentals I

High Voltage Applications

Prerequisite: CMEL 264 C.

3.00 Credits Class 3.00 Lab 1.00 3.00 Credits Class 3.00 Lab 1.00
Basic principles of heating, ventilating, and air conditioning. Career opportunities in HVAC, training, and apprenticeship program. How to solve problems involving the measurement of lines, area, volume, weights, angles, pressure, vacuum, and temperature. The purpose and use of tools such as wrenches, saws, hammers, drills and measuring instruments along with instruction on their safe use and maintenance. Prerequisite: CM 100.

Lab 1.00

CMHV 031 B

HVAC Fundamentals II 3.00 Credits

Class 3.00 Lab 1.00 Basics of heating, ventilating, and air conditioning career opportunities in HVAC, training, and apprenticeship programs will also be covered. Prerequisite: CMHV 031 A.

CMHV 031 C

Introduction to Cooling and Heating

3.00 Credits Class 3.00 Lab 1.00
Basic electricity including generation, distribution, and electrical components, DC circuits, and electrical safety. Prerequisite: CMHV 031

CMHV 032 A

Heat Distribution and Mechanical Maintenance 3.00 Credits Cla Prerequisite: CMHV 031 C. Class 3.00

CMHV 032 B

**HVAC Electronics and Controls** 

3.00 Credits Class Prerequisite: CMHV 032 A. Lab 1.00

CMHV 032 C

Compressors, Heat Pumps, and Refrigerants

3.00 Credits Class 3.00 Lab 1.00

Prerequisite: CMHV 032 B.

CMHV 033 A

Preventive Maintenance and Troubleshooting 3.00 Credits Class 3.00 La Prerequisite: CMHV 032 C. Ľab 1.00

CMHV 033 B

Troubleshooting Heating Systems 3.00 Credits Class 3.00 Lab 1.00

Prerequisite: CMHV 033 A.

CMHV 033 C

Commercial Heating and Cooling 3.00 Credits Class 3.00 Prerequisite: CMHV 033 B. Lab 1.00

CMHV 034 A

Blueprints, Air Quality, and Energy Conservation 3.00 Credits Class 3.00 Lab Lab 1.00

Prerequisite: CMHV 033 C.

CMHV 034 B

Energy Management and System Operations 3.00 Credits Class 3.00 L
Prerequisite: CMHV 034 A. Lab 1.00

CMHV 034 C

HVAC-R Properties and System Design

Class 3.00 3.00 Credits Lab 1.00

Prerequisite: CMHV 034 B.

# CMMS

# Construction Maintenance - Masonry

CMMS231 A

Concrete Construction and Equipment 3.00 Credits Class 3.00 Lab 1.00

Prerequisite: CMMS 283 C.

CMMS231 B

Concrete Placement and Finishing

3.00 Credits Class 3.00 Lab 1.00

Prerequisite: CMMS 231 A.

CMMS231 C

Concrete Properties, Estimating, and Forming

3.00 Credits Class
Prerequisite: CMMS 231 B. Class 3.00 Lab 1.00

CMMS281 A

Masonry Fundamentals

3.00 Credits Class 3.00 Lab 1.00 Introduction to masonry trade and safety requirements. Includes history, products, precautions, OSHA guidelines, and personal protective equipment. (NCCER 28101, 28102). Prerequisite: CM 100.

CMMS281 B

Masonry Tools and Specifications

3.00 Credits Class 3.00 Lab 1.00

Introduction to masonry tools, equipment, math, drawings and motar. Includes trade terms, scaffolding, tool operation, construction

specification and motar properties ingredients and storage procedures. (NCCER 28103, 28104, 28105). Prerequisite: CMMS 281 Ă.

CMMS281 C

Masonry Installation Techniques

3.00 Credits Class 3.00 Lab 1.00

Procedures used in masonry installation. Includes techniques for laying brick and block, using motar and cutting brick. (NCCER 28106). Prerequisite: CMMS 281 B.

CMMS282 A

Residential Masonry
3.00 Credits

Class 3.00 Lab 1.00 Covers construction techniques, residential planning, construction drawings. Includes material estimating, scaling, foundations, walkways, chimneys, and fireplaces. (NCCER 28201, 28202). Prerequisite: CMMS

CMMS282 B

Reinforcement and Laying Techniques

3.00 Credits Class 3.00 Masonry construction, reinforcement materials and structural components. Includes grout, reinforcing steel, plates, anchors, rods, walls, and arches. (NCCER 28203, 28204, 28205). Prerequisite: CMMS 282 A. Lab 1.00

CMMS282 C

Masonry Construction and Inspection Techniques 3.00 Credits Class 3.00 Lab 1.00

Techniques in masonry construction, inspection and quality control. Includes moisture motar control, insulating methods, elevated work and testing methods. (NCCER 28206, 28207, 28208). Prerequisite: CMMS 282 B.

CMMS283 A

Advanced Masonry Materials and Techniques

3.00 Credits Class 3.00 Lab 1.00

Masonry construction of high-rise building and specialized materials. Includes safety, logistics, stone, acid brick, glazed tile, glass block, and various weather conditions. (NCCER 28301,28302 Prerequisite: CMMS 282 C.

CMMS283 B

Masonry Drawings and Restoration

3.00 Credits Class 3.00 Lab 1.00

Prerequisite: CMMS 283 A.

CMMS283 C

Masonry Estimating and Planning

3.00 Credits Lab 1.00

Prerequisite: CMMS 283 B.

COMM

Communications

COMM 050

Fundamentals of Communication

Class 4.00 Lab 0.00

Development of basic writing skills for the student with demonstrated need. Focus on paragraph writing with emphasis on sentence structure, parts of speech, punctuation, spelling, grammar and proofreading. Does not apply toward graduation requirements. Offered: Fall. Course fee:

COMM 051

PACE

Fundamentals of Reading

Class 4.00 4.00 Credits Review of the fundamentals of general reading. Class work is individualized. Emphasis on word attack, comprehension and vocabulary skills. Does not apply toward graduation requirements. Offered: Summer, Fall, Winter, Spring. Course fee: \$45.

**COMM 100** 

**Communications Tutor** 

3.00 Credits Class 3.00 Lab 0.00 Individualized instruction tailored to students' needs. Skills covered correspond to those required in Communications I and Communications II. For students who have previously failed the test essay in Communications I or II. Course fee: \$45.

**COMM 101** Spelling Skills

1.00 Credits Class 1.00 Lab 0.00 Designed to identify and correct individual spelling weaknesses. **COMM 102** Vocabulary Skills

1.00 Credit Class 1.00 Lab 0.00

Improvement of vocabulary through recognition and word usage.

**COMM 104** 

Job Search Techniques 1.00 Credit C

Class 1.00 Lab 0.00 Provides information related to the job search. Strategies involved in identifying and defining a suitable position, designing a resume, preparing related correspondence, applying for the position and interviewing in person or by telephone. Prerequisite: COMM 121. Offered: Summer, Fall, Winter, Spring. Course fee: \$10.

**COMM 105** 

Research Skills

1.00 Credit Class 1.00 Lab 0.00 Identifies types of research needed for both on-the-job and classroom research presentations including primary and secondary research skills and approaching the process through a step-by-step method. Course

**COMM 110** PACE

Reading Communications

3.00 Credits Class 3.00 Lab 0.00 Individualized, self paced instruction in reading comprehension and vocabulary development. Students weak in reading skills, as determined by tests, are required to enroll in this course prior to enrolling in Communications I and II. Prerequisite: COMM 051 or placement. Offered: Summer, Fall, Winter, Spring. Course fee: \$45.

**COMM 111** 

Advanced Reading

1.00 Credit Class 1.00 Lab 0.00

Designed to improve reading ability. Focuses on reading comprehension and vocabulary at the college level. Students will select from a series of activities designed to facilitate achievement of personal academic goals. Prerequisite: COMM 110 or placement. Offered: Summer, Fall, Winter, Spring. Course fee: \$40.

**COMM 112** 

Reading Skills

Class 4.00 Lab 0.00

Designed to develop reading critically and to increase comprehension and vocabulary skills. Course work integrated with writing, study skills, math, and technical skills. Offered: Summer, Fall, Winter, Spring. Course fee: \$45.

**COMM 115** 

Children's Literature

Class 3.00 3.00 Credits Lab 0.00

Designed to familiarize students with various types of quality literature for children. Emphasis will be on selecting appropriate literature for different age groups, becoming familiar with different genres and reading or reviewing specific selections from these genres. Offered: Fall. Course fee: \$10.

**COMM 121** PACE

Communications I

4.00 Credits Class 4.00 Lab 0.00

Paragraph development and short essay composition. Writing as a process stressed with emphasis on prewriting and revision. The student required to take Communications I must successfully complete the course before enrolling in Communications II. Prerequisite: COMM 050 and COMM 110 or placement. Offered: Summer, Fall, Winter, Spring. Course fee: \$20.

**COMM 122** Communications II PACE

3.00 Credits Class 3.00 Lab 0.00

Develops writing skills through medium length writing assignments, Develops writing skills through medium length writing assignments, concentrating on organizing and unifying essay components, studying various methods of development for different communications purposes, supporting and defending ideas in writing and showing evidence of creative and critical thinking in writing. Emphasizes writing as a process, prewriting and revision. Prerequisite: COMM 050, COMM 110, COMM 121 or placement. Offered: Summer, Fall, Winter, Spring. Course fee: \$20.

**COMM 123** 

PACE

Communications III 3.00 Credits

Class 3.00 Lab 0.00

Communications III/IV options are advanced composition courses designed to hone and refine the writing skills developed in Communications II. Each of these options focuses on a particular

subject or issue and requires that the student write longer essays, projects, and/or journals that deal with some aspect of the topic or subject. Each Communications III/IV option requires the student to write a short research paper dealing effectively with the ideas of others. Prerequisite: COMM 122. Offered: Summer, Fall, Winter, Spring. Course fee: \$20.

**COMM 123 A** PACE

Communications III - Job Communication Class 3.00 3.00 Credits

Lab 0.00 Emphasizes skills necessary to write effectively in an office, industry, government or service. Basic principles and formats used in writing letters, memos, and informal reports. Prerequisite: COMM 122. Offered: Summer, Winter, Spring. Course fee: \$20.

COMM 123 B PACE

Communications III - Contemporary Issues 3.00 Credits Class 3.00 Lab 0.00

Developing critical thinking skills through reading, thinking, analyzing, discussing, and writing about issues that are of current interest on local, state, national and international levels. Prerequisite: COMM 122. Offered: Summer, Fall, Winter, Spring. Course fee: \$20.

COMM 123 C PACE

Communications III - Creative Writing

3.00 Credits Class 3.00 Lab 0.00 Introduction to writing contemporary poetry, fiction, and creative essays through reading, discussion, and practice. The emphasis of the course is on writing, pre-writing activities, brainstorming, and evaluation and analysis. Prerequisite: COMM 122. Offered: Summer, Fall, Winter, Spring. Course fee: \$20.

COMM 123 D PACE

Communications III - Community Service

Class 3.00 Lab 0.00 3.00 Credits

Explores the need for community volunteers, identification of types of community service, determining personal and professional value of volunteerism and discussing potential pitfalls. Prerequisite: COMM 122. Offered: Summer, Fall, Winter, Spring. Course fee: \$20.

COMM 123 E Communications III - Literature, An Introduction Class 3.00 Lab 0.00 3.00 Credits

Short story as a form of written communication, focusing primarily on content, theme, and style. Through reading assignments, a variety of essays and class discussions, students develop critical thinking skills and sharpen awareness of the range and potential of written English. Prerequisite: COMM 122. Offered: Summer, Fall, Winter, Spring. Course

**COMM 123 F** PACE

Communications III - Sports Reading

3.00 Credits Class 3.00 Lab 0.00

Promotes the improvement of composition skills through personal narratives, journals and various analytical modes of expression. Defines sports in broad terms to distinguish between professional, amateur and recreational sports. Prerequisite: COMM 122. Offered: Summer, Fall, Winter, Spring. Course fee: \$20.

COMM 123 G PACE

Communications III - Issues in Media

3.00 Credits Class 3.00 Lab 0.00

Explores critical media issues including effects of the mass media and how to deal with them. Development of critical thinking and writing skills. Prerequisite: COMM 122. Offered: Summer, Fall, Winter, Spring. Course fee: \$20.

PACE **COMM 123 H** 

Communications III - Nature Readings 3.00 Credits Class 3.00

Lab 0.00 Investigation of man's relationship with nature in the practical, spiritual, and aesthetic sense. Students are encouraged to explore, identify, and cultivate their own feelings about and perceptions of nature. Prerequisite: COMM 122. Offered: Summer, Fall, Winter, Spring.

Course fee: \$20.

PACE COMM 123 J

Communications III - The American West

Lab 0.00 3.00 Credits Class 3.00

Acquaints students with the American West. Examines a variety of topics which lead to a fuller understanding of and appreciation for the Western United States. Prerequisite: COMM 122. Offered: Summer, Fall, Winter, Spring. Course fee: \$20.

COMM 123 L

Communications III - Science Fiction

3.00 Credits Class 3.00 Lab 0.00 Develop writing and thinking skills in science fiction. Focuses on a chronological selection of short stories and science fiction films. Ideas and issues presented, as well as the manner of presentation, will be discussed. Prerequisite: COMM 122. Course fee: \$20.

**COMM 123 N** 

Communications III - Writing for TV and Radio 3.00 Credits Class 3.00 Lab 0.00

Focuses on script writing forms, principles and techniques for several types of productions including commercials, features, documentaries and educational programs. Includes the research and writing of a documentary script. Broadcasting majors will have the opportunity to use their scripts in actual production. Prerequisite: COMM 122. Offered: Winter. Course fee: \$20.

COMM 123 P

Communications III - Mystery and Detective Writing Class 3.00 Lab 0.00

Develop writing and thinking skills in mystery and detective fiction. Focuses on chronological selection of short stories tracing the development of the detective story. The ideas and issues presented, as well as the genre itself, will be discussed. Essay writing, objective and essay tests and a research project will be required. Prerequisite: COMM 122. Course fee: \$20.

COMM 123 Q

Communications III - Death and Dying

3.00 Credits Class 3.00 Lab 0.00 Advanced reading and writing class which explores the process of physical death and the accompanying emotional, psychological, and spiritual challenges and growth which can occur as the body dies. Students read materials on the subject, critically analyze a variety of cultural and religious perspectives on death and apply their own belief system to this analysis to create a philosophy of living this mortal life. Prerequisite: COMM 122. Course fee: \$20.

COMM 123 R

Communications III – Understanding and Appreciating Film 3.00 Credits Class 3.00 Lab 0.00 Surveys the history of film, emphasizing watching films and writing critically about them. Includes films from various decades, representing several genres. Prerequisite: COMM 122. Course fee: \$20.

COMM 123 S

Communications III – Writing and Social Activism 3.00 Credits Class 3.00 Lab 0.00 Explores the connection between writing and social activism. Studies social activism in history and the immediate community. Prerequisite: COMM 122. Course fee: \$20.

COMM 123 T

PACE

Communications III - Appalachian Heritage
3.00 Credits Class 3.00 Lab 0.00
Enriches understanding and appreciation of Appalachian heritage through writing about literature, music, and film. Prerequisite: ČOMM 122. Offered: Summer, Fall, Winter, Spring. Course fee: \$20.

**COMM 124** PACE

Communications IV 3.00 Credits

Class 3.00 Lab 0.00

Communications III/IV options are advanced composition courses designed to hone and refine the writing skills developed in Communications II. Each of these options focuses on a particular subject or issue and requires that the student write longer essays, projects, and/or journals that deal with some aspect of the topic or subject. Each Communications III/IV option requires the student to write a short research paper dealing effectively with the ideas of others. Prerequisite: COMM 122. Offered: Summer, Fall, Winter, Spring. Course fee: \$20.

**COMM 124 A** PACE

Communications IV - Job Communication

Lab 0.00 3.00 Credits Class 3.00

Writing effectively in an office, industry, government or service. Covers basic principles and formats used in writing letters, memos, and informal reports. Prerequisite: COMM 122. Offered: Summer, Fall, Winter, Spring. Course fee: \$20.

**COMM 124 B** PACE

Communications IV - Contemporary Issues

Lab 0.00 3.00 Credits Class 3.00

Developing critical thinking skills through reading, thinking, analyzing, discussing and writing about issues that are of current interest on local, state, national and international levels. Students keep a journal, write essays, and complete a research paper. Prerequisite: COMM 122. Offered: Summer, Fall, Winter, Spring. Course fee: \$20.

COMM 124 C

PACE

Communications IV - Creative Writing 3.00 Credits

Class 3.00 Lab 0.00

Introduction to writing contemporary poetry, fiction, and creative essays through reading, discussion, and practice. The emphasis of the course is on writing, pre-writing activities, brainstorming, evaluation and analysis. Prerequisite: COMM 122. Offered: Summer, Fall, Winter, Spring. Course fee: \$20.

COMM 124 D

PACE

Communications IV - Community Service Class 3.00 3.00 Credits

Lab 0.00

Explores the need for community volunteers, identifies the types of community service determines the personal and professional value of volunteerism and potential pitfalls. Prerequisite: COMM 122. Offered: Summer, Fall, Winter, Spring. Course fee: \$20.

**COMM 124 E** 

PACE

Communications IV - Literature, An Introduction Lab 0.00

3.00 Credits Class 3.00

Explores the short story as a form of written communication, focusing primarily on content, theme, and style. Students develop critical thinking skills and sharpen awareness of the range and potential of written English. Prerequisite: COMM 122. Offered: Summer, Fall,

Winter, Spring. Course fee: \$20.

PACE

COMM 124 F Communications IV - Sports Reading

3.00 Credits

Class 3.00 Lab 0.00

Defines sports in broad terms to distinguish between professional, amateur and recreational sports. Analysis of sports from varying perspectives of active participants, spectators, the media and detractors of athletics. Prerequisite: COMM 122. Offered: Summer, Fall, Winter, Spring. Course fee: \$20.

COMM 124 G

PACE

Communications IV - Issues in Media

3.00 Credits Class 3.00 Lab 0.00

Explores critical media issues, including effects of the mass media and how we view and deal with them. Prerequisite: COMM 122. Offered: Summer, Fall, Winter, Spring. Course fee: \$20.

**COMM 124 H** 

PACE

Communications IV - Nature Readings 3.00 Credits Class 3.00

Lab 0.00

Investigates man's relationship with nature in the practical, spiritual and aesthetic sense. Students are encouraged to explore, identify, and cultivate their own feelings about, and perceptions, of nature. Prerequisite COMM 122. Offered: Summer, Fall, Winter, Spring. Course fee: \$20.

**COMM 124 J** 

PACE

Communications IV – The American West 3.00 Credits Class 3.00

Lab 0.00

Examines a variety of topics which lead to a fuller understanding of, and appreciation for, the Western United States. Students have the opportunity to explore the West in diverse contexts - cultural, geographic, historic, and aesthetic. Prerequisite: COMM 122. Offered: Summer, Fall, Winter, Spring. Course fee: \$20.

**COMM 124 L** 

Communications IV - Science Fiction

3.00 Credits Class 3.00 Lab 0.00

Develop writing and thinking skills in science fiction. Focuses on a chronological selection of short stories and science fiction films. Ideas and issues presented, as well as the manner of presentation, will be discussed. Prerequisite: COMM 122. Course fee: \$20.

**COMM 124 N** 

Communications IV - Writing for TV and Radio

3.00 Credits Lab 0.00 Class 3.00

Focuses on script writing forms, principles and techniques for several types of productions, including commercials, features, documentaries and educational programs. Includes the research and writing of a documentary script. Broadcasting majors will have the opportunity to use their scripts in actual production. Prerequisite: COMM 122. Course fee: \$20.

COMM 124 P

Communications III - Mystery and Detective Writing 3.00 Credits Class 3.00 Lab 0.00 Develop writing and thinking skills in mystery and detective fiction. Focuses on chronological selection of short stories tracing the development of the detective story. The ideas and issues presented, as well as the genre itself, will be discussed. Essay writing, objective and essay tests and a research project will be required. Prerequisite: COMM 122. Course fee: \$20.

COMM 124 Q

Communications IV - Death and Dying

3.00 Credits Class 3.00 Lab 0.00 Advanced reading and writing class which explores the process of physical death and accompanying emotional, psychological and spiritual challenges and growth which can occur as the body dies. Students read materials on the subject, critically analyze a variety of cultural and religious perspectives on death and apply their own belief system to this analysis to create a philosophy of living this mortal life.

Prerequisite: COMM 122. Course fee: \$20.

**COMM 124 R** 

Communications IV – Understanding and Appreciating Film 3.00 Credits Class 3.00 3.00 Credits Class 3.00 Lab 0.00
Surveys the history of film, emphasizing watching films and writing critically about them. Includes films from various decades, representing several genres. Prerequisite: COMM 122 Course fee: \$20.

**COMM 124 S** 

Communications IV – Writing and Social Activism

3.00 Credits 3.00 Credits Class 3.00 Lab 0.00 Explores the connection between writing and social activism. Studies Class 3.00 social activism in history and the immediate community. Prerequisite: COMM 122 Course fee: \$20.

**COMM 124 T** 

PACE

Communications IV – Appalachian Heritage
3.00 Credits Class 3.00 Lab 0.00
Enriches understanding and appreciation of Appalachian heritage through writing about literature, music, and film. Prerequisite: COMM 122. Offered: Summer, Fall, Winter, Spring. Course fee: \$20.

**COMM 130** 

Speech

3.00 Credits Class 3.00

Lab 0.00 Extemporaneous speaking skills through informative, demonstrative and persuasive speeches. The student learns to analyze audiences, choose and narrow topics, develop content through library and other resources, clearly organize speech material and effectively deliver finished speech to class audience. Prerequisite: COMM 121. Offered: Summer, Fall, Winter, Spring. Course fee: \$10.

COMM 135 Verbal Career Skills

Class 3.00 3.00 Credits Lab 0.00

Develops the oral communication skills used in business offices through discussion, role playing and reading about such topics as interviewing, practicing accepted office etiquette and handling various communications situations. Prerequisite: COMM 121. Offered: Summer, Fall, Winter, Spring. Course fee: \$10.

COMM 150

Punctuation and Grammar

2.00 Credits Class 2.00 Lab 0.00

Covers rules governing English grammar, punctuation and mechanics, focusing on troublesome areas of grammar: pronoun usage, subject/ verb agreement, verb forms and sentence fragments; punctuation: commas, semicolons, apostrophes, quotation marks, hyphens, dashes, brackets and parentheses; and mechanics: capitalization, spelling rules, the use of numerals, abbreviation rules. Offered: Fall, Winter. Course fee: \$10.

COMM 225

PACE

Technical Writing

3.00 Credits

Class 3.00 Lab 0.00

Organizing and presenting written data with an emphasis on clear, precise, objective thinking and writing as demonstrated through a series of written reports. Prerequisite: COMM 122. Offered: Summer, Fall, Winter, Spring. Course fee: \$20.

**COMM 290** 

Communications Special Topics

1.00-5.00 Credits Class 1.00-5.00 Lab 0.00 Structured exploration of a specific topic(s) by participants in a group. Course fee: \$20.

**COMM 291** 

Communications Independent Study

1.00-5.00 Credits Class 1.00-5.00 Lab 0.00 Individual study or research. Topics are arranged on an individualized basis with instructor permission. Course fee: \$20.

**COMM 292** 

Communications Field Experience
1.00–4.00 Credits Class 0.00 Lab 12.00–48.00
On-the-job training in a facility through special arrangement with an instructor. Course fee: \$20.

**COMM 294** 

Communications Cooperative Work Experience 2.00-5.00 Credits Class 1.00 Lab

Lab 10.00-40.00 An on- or off-campus paid work experience coordinated by a faculty member with at least one on-site visit during the quarter. Each student must be enrolled in an on-campus seminar. One credit is awarded for a minimum of ten clock hours of work experience scheduled during a standard work week.

**COMM 295** 

Seminar in Community Service

1.00–3.00 Credits Class 2.00 Lab 0.00 Discusses job-related concerns and assistance with practicum.

COMM 296

Communications Practicum

1.00 Credit Class 0.00

Lab 7.00 Places student in a work environment for a minimum amount of time

to gain experience before graduation.

**COMM 297** 

Communications Observation Hour

1.00-3.00 Credits Class 0.00 Lab 15.00-45.00 Participation in an educational experience as observers of practitioners representative of the occupational area. The student may participate at times in the actual work activity.

# CORR Corrections

CORR 100

Corrections Helping Professions

Class 2.00 Lab 2.00

Introduction to the field of corrections including an overview and history of both private and public, adult and juvenile corrections, community based correctional programs, probation, institutions and parole. Offered: Fall. Course fee: \$10.

CORR 105

Adult Residential Services

Class 3.00 Lab 4.00

Correctional institutions, their history, functions, sociology, programs and effectiveness. Emphasizes direct, practical observation and learning experiences through visitations, instructional materials and quest lectures. Course fee: \$20.

CORR 106

Probation and Parole

Class 3.00 3.00 Credits Lab 2.00

Probation, parole and community based correction programs. Legal considerations, detention processes, community treatment programs, social investigations, the use of community resources, the role of the probation and parole officer in community service and the supervision of offenders. Course fee: \$10.

CORR 122

Civil Law

3.00 Credits

3.00 Credits Class 2.00 Lab 3.00 Cases, statutory and constitutional law specifically applied to the field of corrections. Overview of the development of correctional law with an emphasis on general principles applied to cases in correctional Includes study of landmark cases and their influence on correctional personnel, agencies and clientele. Prerequisite: CJ 100. Offered: Winter.

**CORR 151** 

CORR 151 Unarmed Self-Defense Class 1.00 Lab 4.00

Unarmed self-defense tactics are studied and practiced to prepare the student for defensive maneuvers required in correctional work. The student receives the same training as provided by the Department of Rehabilitation and Correction in-service. Offered: Fall. Course fee: \$25.

**CORR 160** 

Group Work Techniques

3.00 Credits Class 2.00

Lab 3.00

Use of short term group procedures pertaining to change in criminal, addictive and abhorrent behavior. Problem solving and peer pressure techniques are learned. Emphasis on the change of cognitive distortions effecting behavior. Specific methods for working with sex offenders and other mal adaptive behavior problems are learned. Prerequisite: CORR 260. Offered: Winter.

**CORR 161** Reality Therapy

3.00 Credits Class 3.00 Lab 2.00

Concepts of Reality Therapy, Choice Theory and the counseling environment including role play demonstrations and practice of individual counseling. Also includes clarification of wants, determining behavioral direction, seven forms of evaluation and characteristics of plans. Course fee: \$60.

CORR 162 Special Needs Clients

Class 3.00 3.00 Credits Lab 0.00

Provides a sensitivity to and better understanding of special needs clients. The needs of individuals with physical disabilities, mental retardation, learning disabilities and emotional problems will be reviewed along with effective ways of interfacing with and advocating for these clients. Prerequisite: PSYC 150.

CORR 235

Client Documentation and Case Record

3.00 Credits Class 2.00 Lab 3.00

Practical experience in preparing the diverse forms, reports and logs that accompany correctional work. Emphasis on intake, home studies, presentence and investigative report writing and case recording. Routine shift logs, incident reports, and risk assessment forms are also covered. Prerequisite: COMM 122. Offered: Spring. Course fee: \$25.

Correctional Officer Training

7.00 Credits Class 6.00 Lab 5.00

Laws, policies, procedures and self-defense techniques used in a jail facility. Students will be certified upon completion of this program through the Ohio Peace Officer Training Council to work in jail facilities. Course fee: \$190.

**CORR 260** 

Interviewing Techniques 3.00 Credits

Class 3.00

Lab 2.00

Techniques of interviewing hostile and uncooperative clients are emphasized. Developing good attending skills and interpreting body language is emphasized. Introduces the use of audio and video equipment as a learning tool. Offered: Fall. Course fee: \$25.

Approaches to Correctional Counseling

3.00 Credits Class 2.00 Lab 3.00
A comparative study of counseling theories and techniques utilized in correctional and rehabilitation programs. Emphasis on the cognitive approach to behavior change. Development of eclectic personal style of dealing with the correctional client is encouraged. Prerequisite: CORR 260. Offered: Fall.

**CORR 262** 

CORR 262 Counseling Techniques Class 2.00 Lab 4.00

Development of an individualized approach to counseling. Fundamental counseling techniques and procedures are practiced within the framework of their approach in a variety of video lab simulations. Prerequisite: CORR 261. Offered: Winter. Course fee: \$25.

CORR 265 Case Management 3.00 Credits

Class 3.00

Lab 2.00

Evaluation of adjudicated persons by probation, parole agencies and correctional institutions. Emphasizes accurate and objective reporting techniques and developing treatment plans for rehabilitation.

Prerequisite: CORR 262. Offered: Spring.

CORR 280

Corrections Current Topics

0.25–5.00 Credits Class 0.25–5.00 Lab 0.00 Current topics and issues as well as new development in the field of Class 0.25-5.00

corrections are reviewed, studied and discussed.

**CORR 290** 

Corrections Special Topics

Class 1.00-5.00 1.00-5.00 Credits Lab 0.00 Structured exploration of a specific topic(s) by participants in a group.

#### **CORR 291**

Corrections Individual Study

1.00-5.00 Credits Class 1.00-5.00 Lab 0.00 Individual study or research. Topics are arranged on an individual basis with instructor permission.

Corrections Field Experience

1.00–4.00 Credits Class 0.00 Lab 12.00–4 On-the-job training in a corrections facility through special Lab 12.00-48.00 arrangement with an instructor. Course fee: \$25.

Corrections Cooperative Work Experience

2.00-5.00 Credits Class 1.00 Lab 10.00-40.00 An on- or off-campus paid work experience coordinated by a faculty member with at least one on-site visit during the quarter. Each student must be enrolled in an on-campus seminar. One credit is awarded for a minimum of ten clock hours of work experience scheduled during a standard work week.

#### CORR 296

Corrections Practicum

3.00-7.00 Credits ... Class 2.00 Lab 7.00-35.00 The student is placed in a work environment for a minimum amount of time to gain experience before graduation. Course fee: \$20.

CORR 296 A Corrections Practicum A

3.00 Credits Class 2.00 Lab 7.00

The student is placed in a work environment for a minimum amount of time to gain experience before graduation. Prerequisites: Instructor permission and CORR 298. Offered: Winter. Course fee: \$25.

#### **CORR 296 B**

Corrections Practicum B

3.00 Credits Class 2.00 Lab 7.00
The student is placed in a work environment for a minimum amount of time to gain experience before graduation. Prerequisites: Instructor permission and CORR 298. Offered: Spring. Course fee: \$25.

### **CORR 297**

Corrections Observation Hour 0.50–3.00 Credits Class 0.5

Class 0.50-3.00 Lab 0.00

Participation in an educational experience as observers of practitioners representative of the occupational area. The student may participate at times in the actual work activity.

### **CORR 298**

**Corrections Practicum Orientation** 

1.00 Credit Class 1.00 Lab 2.00 Preparation for practicum including practicum requirements, personalized goals and objectives and job search skills. Offered: Fall.

Corrections Field Placement

Class 2.00 3.00-4.00 Credits Lab 0.00

An alternative to the practicum experience offered to the second year student. The student will be placed with and work in an agency at least half time (280 hours) during the quarter. The agency where the student is placed must be an agency within the student's career choice and be able to provide experience that supplements classroom experience. This is a special arrangement course offered at faculty discretion. Prerequisite: CORR 298. Course fee: \$25.

# CS

# **Computer Science**

# 100

Program Analysis I 3.00 Credits

Class 3.00 Lab 2.00 Program logic using the flowchart as a tool to diagram the solution to a written problem. Includes programming terminology, hierarchy of evaluation for arithmetic assignment statements, decision making, counter and accumulator concepts, flowcharting given problems and evaluation of flowcharts. Offered: Fall.

Program Analysis II

Class 3.00 3.00 Credits

Seguel to CS 100 with emphasis on program efficiency and economy. The flowchart is used as the primary tool to diagram problem

solutions. Emphasizes structured design in flowcharting the solution to problems containing counters, accumulators, control breaks and arrays. Prerequisite: CS 100. Offered: Winter.

#### 110

Introduction to COBOL

COBOL language (American National Standard, 1985) and its implementation in the business environment. Topics include the basic structure of a COBOL program, finding and correcting syntax errors, imperative, arithmetic and conditional statements, editing and truncation rules, performs, redefines, and techniques for management of single dimension arrays. Prerequisite: CS 101. Offered: Spring. Course fee: \$35 fee: \$35.

CS 111 Advanced COBOL 5.00 Credits Class 4.00 Lab 5.00 Advanced programming techniques. Includes table searches; two and three dimensional arrays; sequential, indexed, and relative file processing; sorting techniques; subprograms; and modular design. Prerequisite: CS 110. Offered: Fall. Course fee: \$35.

CS 120 Introduction to Data Processing 3.00 Credits Class 3.00

Class 3.00 Lab 2.00 Introduction to the College's computer system. Lecture and hands-on laboratory experience covers the main operating system commands, the on- line text editor and the file copier utility. Offered: Fall. Course fee:

#### CS 125

Computer Numbering Systems 1.00 Credit Class 1.00

Lab 0.00 Introduction to the principles of numbering systems. Includes binary, octal and hexadecimal conversions, arithmetic operations, byte organization and ASCII and EBCDIC coding schemes. Offered: Winter, Spring.

CS 140 Job Control and Utilities 3.00 Credits

Class 3.00 Lab 2.00 Use of current computer operating systems; includes accounting structure, the syntax and operation of system and console operator commands, and available system utility programs. Prerequisite: CS 120. Offered: Spring. Course fee: \$35.

Applied Statistical Packages

3.00 Credits Class 3.00 Lab 2.00

Computer statistical packages used to analyze classical decision theory (hypothesis testing) problems. Analysis of marketing information and questionnaire data are emphasized. Offered: Winter. Course fee: \$35.

# 200

Introduction to Networking

Class 3.00 Lab 2.00 Concepts and components involved in networking computers for hardware and software resource sharing. Prerequisite: MICS 112.

Offered: Winter. Course fee: \$35.

CS 201 Advanced Networking Class 3.00 Lab 3.00 Network communication equipment and software, data transmission, topologies and protocols. Focuses on managerial aspects of network administration using practical application. Prerequisite: CS 200. Offered: Fall. Course fee: \$35.

# 210

Programming in C++

3.00 Credits Class 2.00 Lab 4.00 Basic elements of the C programming language. Includes program elements, program structure, variables, functions and function structure, classes, input and output operations, control statements. data types and declarations, arithmetic operators and expressions, and object oriented programming. Prerequisite: CS 101. Offered: Fall. Course fee: \$35.

# 211

Advanced Programming in C++ 3.00 Credits Class 2.00

Lab 4.00 Prerequisite: CS 210. Offered: Spring. Course fee: \$35.

#### CS 214

Applications in Information Technology

3.00 Credits Class 2.00 Lab 4.00 Capstone course for the computer science technology. Working individually or in small groups, students design, produce and document a complete system involving current topics or to fulfill an institutional request in the area of information technology. The project may involve aspects of networking and/or programming in 4 GL or COBOL using database and forms management. Prerequisites: CS 240 and CS 280. Offered: Spring. Course fee: \$35.

220

Programming in RPG

4.00 Credits Class 3.00 Lab 3.00
Principles, logic and coding formats of the RPG II (Report Program Generator II) computer programming language, writing RPG II programs using sequential and indexed sequential files, tables and arrays. Includes using the external sort utility, XSORT, to perform file maintenance and to produce a variety of reports. Prerequisite: CS 101. Offered: Winter. Course fee: \$35.

240

Database Management

2.00 Credits Class 2.00 Lab 2.00

Concepts of relational databases and SQL (Structured Query Language). Current topics in relational database technology are also covered. Prerequisite: MICS 142. Offered: Winter. Course fee: \$35.

Basic Assembler Language

3.00 Credits Class 3.00 Lab 2.00 Principles of programming in 360/370 ASSEMBLER language. Topics covered include machine code, instruction execution, addressing techniques and various formats of data representation. Computer programming projects are assigned to illustrate programming techniques of the machine language using an IBM 370. Prerequisite: CS 125. Offered: Spring. Course fee: \$35.

Mainframe Applications

4.00 Credits Class 3.00 Lab 5.00

Structure and use of mainframe database processing and management, and the design, implementation, and use of electronic forms for data entry and retrieval. Students create and access typical business files and databases using current HP-3000 database management software. Turbolmage, the HP-3000 form management software, Turbolmage, the HP-3000 form management software, VPLUS, and application programs written in COBOL. Prerequisite: CS 111. Offered: Winter. Course fee: \$35.

290

Computer Science Special Topics

1.00-5.00 Credits Class 1.00-5.00 Lab 0.00 Structured exploration of a specific topic(s) by participants in a group.

Computer Science Individual Study 1.00-5.00 Credits Class 1.00-5.00 Lab 0.00

Individual study or research. Topics are arranged on an individual basis with instructor permission.

292

Computer Science Field Experience 1.00–4.00 Credits Class 0.00

Lab 12.00-48.00 On-the-job training in a computer science facility through special arrangement with an instructor.

Computer Science Cooperative Work Experience 2.00–5.00 Credits Class 1.00 Lab 10.00–40.00

An on- or off-campus paid work experience coordinated by a faculty member with at least one on-site visit during the quarter. Each student must also be enrolled in an on-campus seminar. One credit is awarded for a minimum of ten clock hours of work experience scheduled during a standard work week.

296

Computer Science Practicum

2.00 Credits Class 1.00 Lab 7.00

The student is placed in a work environment for a minimum amount of time to gain experience before graduation.

Computer Science Observation Hour

1.00-3.00 Credits Class 0.00 Lab 15.00-45.00 Participation in an educational experience as observers of practitioners representative of the occupational area. The student may participate at times in the actual work activity.

298

Computer Science Internship

3.00-9.00 Credits Class 0.00-3.00 Lab 20.00-40.00 On-the-job training in the work place of a cooperating agency. Coordinated by an instructor.

# CULA **Culinary Arts**

**CULA 100** 

Overview of Culinary Arts in Institutions

3.00 Credits Class 3.00 Lab 0.00 Overview of the field of culinary arts. Topics include history of food service, safety and sanitation, equipment identification and usage, cooking methods, recipes, menus and presentation of food products.

CULA 101
Introduction to Culinary Arts
2.00 Credits Class 2.00 Lab 1.00
Introduction to the field of culinary arts includes study of culinary history, the role of the chef, kitchen organization, tools and equipment, realized methods and basic knife handling and sharpening skills. cooking methods, and basic knife handling and sharpening skills. Offered: Fall. Course fee: \$125.

**CULA 105** 

Pastries and Desserts

Pastries and Desserts
3.00 Credits Class 1.00 Lab 4.00
Preparation of Danish pastries, croissants, puff pastry, choux paste and tortes. Includes introduction to marzipan, gum paste, chocolate molding and pulled sugar. Prerequisite: CULA 115. Offered: Winter, Spring. Course fee: \$125.

CULA 106 Meat, Poultry, and Seafood Processing 3.00 Credits Class 2.00

Class 2.00 Lab 3.00 Meats, poultry and seafood used by the food service industry. Includes identification, grading, yield and portion control. The student participates in cutting various products. Prerequisites: CULA 101, CULA 111 and CULA 112. Offered: Spring. Course fee: \$175.

CULA 107 Basic Garde Manger

3.00 Credits Class 1.00 Lab 4.00

Creation of buffet table arrangements and displays using cold food materials with emphasis on the use of tools, ice, vegetables, butter and fruit in the preparation. Prerequisite: CULA 112. Offered: Fall, Winter. Course fee: \$150.

CULA 107 A Hors d'Oeuvres

1.00 Credit Class 1.00 Lab 0.00 Theory and practical application of this diverse area of culinary arts. Students will experience hands on learning, lecture and research. Course fee: \$125.

CULA 108

Advanced Garde Manger

3.00 Credits Class 2.00 Lab 3.00 This course presents the creation of the buffet table with emphasis on the art of decoration. Topics include the use of meats, poultry, seafood, fruits and vegetables in developing show platters. The class plans and executes a "Grand Buffet." Prerequisite: CULA 107. Course fee: \$190.

CULA 109
Safety and Sanitation
Class 2.00 2.00 Credits Class 2.00 Lab 1.00 Introductory principles of sanitation and safety in the food service industry. Students develop a comprehensive sanitation and safety program that can be implemented in a food service establishment. Upon successfully passing a standard examination, students are certified by the Educational Foundation of the National Restaurant Association. Offered: Fall.

Outdoor Cookery and Indigenous Foods 3.00 Credits Class 2.00

Lab 3.00 Introduction to outdoor cookery including environmentally correct

camp cookery practices. Indigenous regional foods are researched and discussed. Offered: Spring. Course fee: \$120.

**CULA 111** 

Stocks, Sauces, and Soups

3.00 Credits Class 2.00 Lab 3.00

Preparation of foods utilized in commercial kitchens including stocks, soups, sauces, vegetables and farinaceous products. Offered: Fall. Course fee: \$100.

Salads, Sandwiches, and Eggs

3.00 Credits Class 2.00 Lab 3.00

Introduction to pantry and breakfast cookery including salads, salad dressings, sandwiches and breakfast preparations. Offered: Winter. Course fee: \$100.

CULA 113

a la Carte Cookery

3.00 Credits Class 1.00 Lab 4.00

Fundamentals of meat, poultry and seafood cookery. Preparation of entrees cooked to order, accompaniments, garnishing, plate appearance and time management. Prerequisite: CULA 112. Offered: Spring. Course

**CULA 115** 

Breads and Baking Basics

3.00 Credits Class 2.00 Lab 3.00

Bakery products, tools and equipment, weights and measures and the baking process. Preparation of yeast dough products and quick breads. The role of the pastry chef and bake shop management is reviewed. Offered: Winter. Course fee: \$100.

Hospitality Menu Planning

2.00 Credits Class 2.00 Lab 1.00

Planning, utilization, pricing and integrating a menu into a commercial food service establishment. The menu concept as it relates to the entire operation is analyzed. Prerequisite: HOTR 110. Offered: Winter, Spring. Course fee: \$50.

CULA 125 Basic Table Service

3.00 Credits Class 2.00 Lab 3.00

Training in the art of table service. American, French and Russian service will be presented and practiced. Includes training in the areas of wine and beverage service. Offered: Spring. Course fee: \$25.

CULA 130

Introduction to Baking Industry

2.00 Credits Class 2.00 Lab 0.00

Baking history, terminology and organization. Includes study of heat transfer, baking procedures, tools and equipment. Baking careers and professional organizations are also presented. Course fee: \$120.

CULA 131

Baking Technology 3.00 Credits

Class 2.00 Lab 3.00

The science of baking with a concentration on food nutrition and food chemistry. Develops a basic understanding of baking concepts such as gluten development and the use of leavening agents. Prerequisites: CULA 115 and CULA 130. Course fee: \$140.

**CULA 132** 

Baking Lab I 5.00 Credits

Class 1.00 Lab 12.00

Introduction to the commercial bakeshop and provides hands-on experience for the beginning baker. Each student is required to complete 132 hours of production in the Ramada Inn kitchen. Prerequisites: CULA 130 and CULA 115. Course fee: \$105.

CULA 133

Baking Lab II 5.00 Credits

Class 1.00 Lab 12.00

Supervision, production, organization, and advanced baking techniques. Students will log a total of 132 hours in a baking facility and one hour weekly with the instructor for orientation. Prerequisite: CULA 132. Course fee: \$105.

CULA 134

Baking Lab III 5.00 Credits

Class 1.00 Lab 12.00

Students will log a total of 132 hours of high volume production baking in a baking facility. Students will meet weekly with instructor for one hour of orientation. Prerequisite: CULA 133. Course fee: \$105.

**CULA 136** 

Yeast Dough Production

3.00 Credits Class 2.00 Lab 3.00

Concentration on yeast fermentation, retarding and gluten development. The student will produce a wide variety of yeast dough and yeast products. Course fee: \$155.

**CULA 137** 

Cake Production

3.00 Credits Class 2.00 Lab 3.00

Baking and decorating various types of cakes and tortes. Provides hands-on baking and advanced decorating techniques for all occasions. Course fee: \$135.

**CULA 138** 

Classical Pastries

3.00 Credits Class 2.00 Lab 3.00

Introduction to classical pastries and sugarwork including puff pastry products, choux paste products and classical desserts, advanced decorating techniques and edible display pieces. Prerequisites: CULA 115 and CULA 130. Course fee: \$185.

**CULA 139** 

Cookie Development

3.00 Credits Class 2.00 Lab 3.00

Techniques of producing a variety of cookies stressing ingredients and their functions. Hands-on experience baking and decorating cookies. Course fee: \$170.

CULA 145
Food Products Identification and Purchasing
Class 3.00 Lab 0.00

Identification and utilization of various food products used in commercial cooking. Purchasing, receiving, storing and issuing products are reviewed. Offered: Winter. Course fee: \$25.

CULA 150 Nutrition in Community Food Service Operations

Lab 0.00 3.00 Credits Class 3.00

Elements of hospitality menu design incorporating current nutritional guidelines. Offered: Fall, Winter.

CULA 201

Culinary Arts Lab I 6.00 Credits

Class 1.00 Lab 15.00

Introduction to the kitchen environment through on-the-job training in various kitchen positions at the Ramada Inn. Hours include weekends, evenings, days and holidays. Offered: Winter. Course fee: \$50.

CULA 212 Culinary Arts Lab II

Class 1.00 6.00 Credits Lab 15.00

Assignment of specific work duties at the Ramada Inn for an average of 20 hours per week. During the quarter, students are instructed in and will perform basic tasks associated with kitchen and dining room operations. Work days include morning, afternoons, evenings, weekends and holidays. Prerequisite: CULA 201. Course fee: \$50.

**CULA 217** 

Classical and International Cuisine

3.00 Credits Class 2.00

Lab 3.00 An opportunity for the student skilled in cookery to expand knowledge

of food preparation into the area of world respected traditional dishes. Includes conventional methods of preparation for gourmet recipes and convenience foods. Prerequisites: CULA 106 and CULA 218. Offered: Winter, Spring. Course fee: \$150.

**CULA 217 A** Italian Cookery

1.00 Credit Class 1.00 Lab 1.00

Expand your knowledge and learn world respected traditional dishes prepared in gourmet fashion. Savor the flavor of Italian cookery. Course fee: \$115.

CULA 217 B

Greek Cookery

1.00 Credit Class 1.00 Lab 1.00

Expand your knowledge and learn world respected traditional dishes prepared in gourmet fashion. Savor the flavor of Greek cookery. Course

CULA 217 C

French Cookery

1.00 Credit Class 1.00 Lab 1.00

Expand your knowledge and learn world respected traditional dishes prepared in gourmet fashion. Savor the flavor of French cookery. Course fee: \$115.

CULA 217 D Oriental Cooking

Class 1.00 1.00 Credit Lab 1.00

Students will explore the methods and theory of sine which dates back thousands of years. This hands-on cooking class will provide students with theory and practice of cooking methods, presentation, and the Oriental art of bringing out the natural flavor of the food. Course fee:

American Regional Cuisine

3.00 Credits Class 1.00 Lab 4.00

Introduction to American cuisines with an emphasis on volume food production of American regional cuisines through plating, garnishing and time management. Cuisines are studied, and menus are planned, prepared and served. Prerequisites: CULA 111, CULA 112 and CULA 101. Offered: Winter, Spring. Course fee: \$150.

**CULA 229** 

Culinary Arts Salon

1.00 Credit Class 0.00 Lab 2.00

Preparation for the challenges of hot and cold culinary salons. Show pieces, buffet setup, materials and equipment flow, and team organization. Course fee: \$105.

CULA 240 Festival Catering Production

1.00 Credit Class 1.00

Lab 1.00 Special challenges in preparing food for large volume festival food service. Offered: Fall.

**CULA 241** 

Festival Catering Management

1.00 Credit Class 1.00 Lab 1.00

Special challenges in preparing food for large volume festival food service.

**CULA 250** 

Culinary Capstone Experience

3.00 Credits Class 1.00

A final synthesis and evaluation course for the culinary student. Students practice and prepare for the culinary program's final examination through designed exercises. These preparations culminate in a written and final practical cooking examination designed by the American Culinary Federation and intended to determine the student's ability to enter the hospitality industry in culinary arts. Prerequisites: CULA 105, CULA 106, CULA 107, CULA 218, CULA 294. Offered: Spring. Course fee: \$125.

CULA 262

Candy and Confections

Class 2.00 3.00 Credits Lab 3.00

Candy making techniques with an emphasis on chocolate molding, dipping and enrobing, hard candies, marzipan work and specialty desserts. Course fee: \$160.

CULA 263

**Bakeshop Operations** 

2.00 Credits

Class 2.00 Lab 0.00

Development, management and organization of wholesale, retail and in-house bake and pastry shops. Course fee: \$140.

**CULA 270** Catering

Class 1.00 Lab 4.00

Review and discussion of special equipment and laws regarding the movement and serving of food. Includes planning an off premise catering function and determining the profitability of the function. Offered: Fall, Spring. Course fee: \$80.

CULA 275 Food and Beverage Manager

Class 3.00 5.00 Credits Lab 8.00

A managerial overview of food and beverage operations including: management organization, menu planning, material control, recipes and costing analysis, personnel methodology, equipment, facilities, and food production methods. Course fee: \$80.

CULA 281 Food Lab I

Class 2.00 Lab 3.00

The student, assigned to specific work groups in an institutional setting of Hocking College, practices basic techniques of food preparation, sanitation and dining room operation. The development of behaviors which demonstrate cooperative work habits are emphasized. Offered:

Winter.

**CULA 282** Food Lab II

3.00 Credits Class 2.00 Lab 3.00

The student, assigned to specific work groups in an institutional setting of Hocking College, practices techniques of food preparation, sanitation, plate and multiple course presentation and dining room operation. Emphasis is placed on the behavior which demonstrates cooperative work habits and food production techniques. Offered: Fall.

Food Lab III 3.00 Credits

Class 2.00 Lab 3.00

The student, assigned to specific work groups in an institutional setting of Hocking College, practices advanced food preparation skills, kitchen and dining room management skills, advanced table service, sanitation and critical analysis of operation efficiency. Offered: Spring.

**CULA 290** 

Culinary Arts Special Topics 1.00-5.00 Credits Class 1

Class 1.00- 5.00 Lab 0.00

Structured exploration of a specific topic(s) by participants in a group.

Culinary Arts Individual Study 1.00–5.00 Credits Class 1.00–5.00 Lab 0.00 Individual study or research. Topics are arranged with instructor permission on an individual basis.

CULA 292 Culinary Arts Field Experience 1.00-4.00 Credits Class 0.0 Class 0.00 Lab 12.00-48.00 On-the-job training in a culinary arts facility through special

arrangement with an instructor. Course fee: \$25.

**CULA 293** 

Culinary Arts Directed Practice 2.00–8.00 Credits Class 1.00 Class 1.00 Lab 5.00-35.00 Directed practice hour is one during which a student receives individual instruction in the performance of a particular function from the teacher assigned, and then is observed and critiqued in the repeat performance of that function by the teacher. Course fee: \$25.

CULA 294

Culinary Arts Cooperative Work Experience

Lab 40.00 6.00 Credits Class 2.00

An on- or off-campus paid work experience coordinated by a faculty member with at least one on-site visit during the quarter. Each student must be enrolled in an on-campus seminar. Prerequisites: CULA 109, CULA 113, CULA 125, CULA 106, CULA 150, CULA 201. Course fee: \$25.

**CULA 296** 

Culinary Arts Practicum

2.00-7.00 Credits Class 1.00 Lab 7.00-42.00

The student is placed in a work environment for a minimum amount of time to gain experience before graduation. Course fee: \$25.

**CULA 297** 

Culinary Arts Observation Hour

1.00-3.00 Credits Class 0.00 Lab 15.00-45.00 Participation in an educational experience as observers of practitioners representative of the occupational area. The student may participate at times in the actual work activity. Course fee: \$25.

CULA 298

Culinary Arts Internship 3.00-9.00 Credits Class 0.00-3.00 Lab 20.00-40.00 On the job training in the work place of a cooperating agency. Coordinated by an instructor. Prerequisites: CULA 101, CULA 201, CULA 111, CULA 1112, CULA 115, CULA 109. Course fee: \$25.

**Drafting and Design** 

**Blueprint Reading** 1.00 Credit

Class 1.00 Lab 2.00 Reading and comprehension of blueprints ranging from simple to complex machine parts and/or simple to complex architectural

structures. Exploration of careers within the field of drafting including salaries and geographic locations of major employers. Offered: Winter. Course fee: \$10.

DD 101 Engineering Drawing I Class 1.00 PACE

Lab 5.00

Provides a basic understanding and interpretation of the language of drawing for the beginning engineering student. Includes an introduction to the language of drawing, use and care of drafting instruments, lettering, geometric construction, sketching, multiview drawing and dimensioning. Offered: Summer, Fall, Winter, Spring. Course fee: \$15.

102 PACE

Engineering Drawing II
3.00 Credits Class 1.00

Lab 5.00

Intermediate drafting concepts including sectioning, auxiliary views, parallel line pictorial drawings, working drawings and piping drawings. Prerequisite: DD 101. Offered: Summer, Fall, Winter, Spring. Course fee:

DD 103 PACE

Engineering Drawing III
3.00 Credits Class 1.00

Lab 5.00

School credits Class 1.00 East 3.00 Specialized mechanical drafting concepts and detailing. Includes sheet metal layouts, gearing, cam calculations and specification, threads, fasteners, springs, introductory geometric tolerancing and true positioning, and presentation graphics. Prerequisite: DD 102. Offered: Summer, Fall, Winter, Spring. Course fee: \$60.

PACE

Introduction to AutoCAD

1.00 Credit Class 1.00 Lab 1.00
Introduction to personal computer based drafting. Explanation of computer drawing and computer drawing applications. Includes an overview of MS-DOS, highlighting the common features used in AutoCAD. Concurrent with DD 105. Offered: Summer, Fall, Winter, Spring Course for \$20. Spring. Course fee: \$20.

DD 105 PACE

AutoCAD Applications
2.00 Credits Class 1.00 Lab 3.00
Utilization of drafting software including commands and techniques necessary to complete orthographic mechanical drawings. Prerequisite: DD 101. Offered: Summer, Fall, Winter, Spring. Course fee: \$40.

AutoCAD for Geographic Information Systems
3.00 Credits Class 2.00 Lab 3.00
Introductory course in AutoCAD tailored specifically for skills needed in GIS operations. Course fee: \$60.

DD 110

Discover Drafting

1.00 Credit Class 1.00 Lab 0.00 Exploration of careers within the field of drafting, salaries and geographic locations of major employers. Offered: Fall. Course fee: \$15.

112

DD 112 AuoCAD and Drawing Class 1.00 Lab 6.00

Offered: Spring.

DD 115 AutoCAD Concepts I

Class 1.00 2.00 Credits Lab 3.00

A computer based orthographic drawing course. Includes standard procedures for layout, design and execution of industrial design drawings while learning basic and intermediate skills necessary to manipulate the personal computer based drafting program, AutoCAD. Prerequisites: DD 101 and DD 203. Offered: Winter. Course fee: \$60.

200 PACE

Architecture I - Detailing

3.00 Credits Class 1.00 Lab 7.00

Terms, symbols and details of an architectural set of working drawings as applied to the design of residential buildings. Prerequisite: DD 102. Offered: Summer, Fall, Winter, Spring. Course fee: \$60.

Architecture II - Residential

Class 1.00 3.00 Credits Lab 5.00

Terms, symbols, details and codes of an architectural set of working drawings as applied to the design of commercial buildings. Prerequisite: DD 200. Offered: Summer, Fall, Winter, Spring. Course fee: \$60.

202

Advanced Drafting/CAD

3.00 Credits Class 2.00 Lab 4.00 Technical drafting representation as applied to industrial products and process. Computer aided and traditional drafting used in the study of advanced dimensioning practices, tolerancing, design drawings, working drawings and welding drawings. Prerequisite: DD 103. Offered: Summer, Fall, Winter, Spring. Course fee: \$60.

PACE

DD 203 Electrical Drawing 4.00 Credits Class 2.00 Lab 5.00

Electrical drawing standards, graphic symbols, diagram layouts and part identification through construction of schematic drawings, block diagrams and printed circuit board layout. Offered: Summer, Fall, Winter, Spring. Course fee: \$60.

204 DD PACE

Descriptive Geometry
3.00 Credits Class 2.00 Lab 4.00 Graphic solutions to problems relating to points, lines, planes and

solids. Includes space measurements and visualization, first auxiliary views and measurements, line definition and description, second auxiliary views, plane definition and description, perpendiculars, skew lines and solids. Prerequisite: DD 103. Offered: Summer, Fall, Winter, Spring. Course fee: \$60.

PACE

DD 205 Die Design

3.00 Credits Class 2.00 Lab 4.00

Introduction to the design and detailing of typical industrial die sets. Topics include die calculation, blanking dies, piercing dies and bending dies. Prerequisite: DD 202. Offered: Summer, Fall, Winter, Spring. Course

DD 207 Electronic Drawing PACE

Class 2.00 3.00 Credits Lab 4.00

Non-major course introducing drafting concepts and procedures as related to the production of various types of drawings used in electronic technologies. Topics include electrical drawing standards, electronic symbology, diagram layouts and parts identification. Offered: Summer, Fall, Winter, Spring. Course fee: \$60.

210

Geometric Tolerancing and Dimensioning

2.00 Credits Class 2.00

Methods of indicating geometric tolerances by means of geometric

characteristic symbols are discussed and applied to specific situations. Prerequisites: DD 103 and DD 203. Offered: Fall. Course fee: \$60.

DD 215 AutoCAD Concepts III

3.00 Credits Class 2.00 Lab 4.00

Methods and procedures for automating repetitive CAD functions and manipulating the personal computer based drafting program, AutoCAD, to increase productivity. Prerequisite: DD 115. Offered: Fall. Course fee:

DD 290 PACE

Drafting and Design Special Topics

0.50-5.00 Credits Class 1.00-5.00 Lab 0.00

Structured exploration of a specific topic(s) by participants in a group.

DD 291

Drafting and Design Individual Study

1.00-5.00 Credits Class 1.00-5.00 Individual study or research. Topics are arranged with instructor

permission on an individual basis.

Drafting and Design Field Experience

1.00-4.00 Credits Class 0.00 Lab 12.00-48.00 On-the-job training in a drafting and design facility through special

arrangement with an instructor.

Drafting and Design Cooperative Work Experience

2.00-5.00 Credits Class 1.00 Lab 10.00-40.00 An on- or off-campus paid work experience coordinated by a faculty

member with at least one on-site visit during the quarter. Each student must be enrolled in an on-campus seminar. One credit is awarded for a minimum of ten clock hours of work experience scheduled during a standard work week.

296

Drafting and Design Practicum

2.00–7.00 Credits Class 1.00 Lab 7.00–42.00 The student is placed in a work environment for a minimum amount of time to gain experience before graduation.

297

Drafting and Design Observation Hour

1.00–3.00 Credits Class 0.00 Lab 15.00–45.00
Participation in an educational experience as observers of practitioners representative of the occupational area. The student may participate at times in the actual work activity.

298 Drafting and Design Internship 3.00-9.00 Credits Class 0.00-3.00 Lab 20.00-40.00 On the job training in the work place of a cooperating agency. Coordinated by an instructor.

#### DT Dietetic

PACE Survey of Dietetics

2.00 Credits Class 2.00 Lab 0.00 A survey of the profession of dietetics, the objectives of a dietetic department, and the responsibilities of assistants, technicians, and dietitians in a variety of health care facilities. Dietetic personnel are defined as nutritionists, supervisors, and educators. Topics covered include definition of the profession, types of dietetic services, level of training in dietetics, policies and procedures, management

responsibilities in dietetics and some federal regulations that affect nursing homes. Offered: Summer, Fall, Winter, Spring.

Dietetic Directed Practice I

2.00 Credits Class 1.00 Lab 7.00

Provides opportunities for the student to practice material taught in course work offered during the first quarter. Concurrent with DT 102, HRCA 110, MATH 201 and COMM 122. Prerequisite: OAT 180. Offered: Fall. Course fee: \$30.

102 PACE Basic Nutrition

5.00 Credits Class 5.00 Lab 0.00 Effect of nutritional status on health, detailing specific nutrient requirements of adults to maintain good health. Topics include nutrient sources and functions, energy needs, digestion and metabolism, food guide pyramid, dietary guidelines, provision of good nutrition to low income families, food and nutrition misconceptions and food labeling laws. Offered: Summer, Fall, Winter, Spring. Course fee: \$10.

Food Preparation Principles
3.00 Credits Class

Class 2.00 Lab 4.00

Principles of food preparation of eggs and dairy products, breads, fruits, vegetables, soups and sauces, meat, poultry and fish. Emphasis on proper techniques to prepare palatable foods while retaining nutritional value. Offered: Winter. Course fee: \$30.

104

Food Preparation Principles for Children 2.00 Credits Class 1.00

Lab 3.00

Food preparation principles appropriate for infants and children. Topics include food safety, food sanitation, food borne illness, applications of menu planning and food preparation techniques. Offered: Spring. Course fee: \$20.

106

Food Production Management

3.00 Credits Class 3.00 Lab 0.00 Planning, organizing, controlling and evaluating a food service operation in a health care institution. Topics include recipe standardization, portion control, inventory control, production scheduling, equipment use and maintenance, food service methods and quality assurance. Offered: Winter.

109

3.00 Credits

Infant and Early Child Nutrition

1.00 Credit Class 1.00 Lab 0.00
Basic nutrition, breast and bottle-feeding, nutrition for infants and young children. Offered: Winter.

PACE 110 Applied Nutrition

Class 3.00

Lab 0.00

Description of the particular nutritional concerns of people throughout the lifespan: pregnancy, childhood, adolescence, maturity, dental health, physical exercise, weight maintenance and the interpretation of nutrition information and diet fads. Prerequisite: DT 102. Offered: Summer, Fall, Winter, Spring. Course fee: \$10.

110 A PACE

Maternal and Infant Nutrition

Class 1.00 Lab 0.00

Nutritional needs during growth such as pregnancy, lactation, infancy and childhood. Includes menu planning for such individuals as well as special needs of each population groups. Prerequisite: DT 102 or NT 103. Offered: Summer, Fall, Winter, Spring.

Dietetic Directed Practice II

2.00 Credits Class 1.00 Lab 7.00
Practice of material taught in course work offered during the second quarter. Assignment to a hospital or long term care facility one day per week and meets with an instructor once a week. Assignments include diet histories, food production and office procedures. Prerequisites: DT 101, DT 102 and HOTR 110. Offered: Winter. Course fee: \$35.

Food Purchasing for Health Care Institutions
3.00 Credits Class 3.00 Li Lab 0.00 Food purchasing function of a health care institution. Government regulations and controls, development and use of forms to aid in the purchasing operation, writing specifications to insure standards in food commodities, exploring the varieties and purchase forms of major food categories and determining amounts of food to purchase for number and size of portions. Prerequisite: DT 106. Offered: Spring.

120 PACE

Normal and Modified Menu Planning

3.00 Credits Class 3.00 Lab 0.00

Individual and institutional menu planning. Practice in using the diet manual to plan basic modified diets for persons in health care facilities including modifications of sodium, diabetic, fiber, bland, protein, fat and liquid diets. Prerequisite: DT 102. Offered: Summer, Fall, Winter, Spring.

DT

DT 121 Dietetic Directed Practice III

2.00 Credits Class 1.00 Lab 7.00

An opportunity to practice material taught in the course work offered during the third quarter. Prerequisite: DT 111. Offered: Spring. Course

DT 122 PACE

Supervision in Dietetics

3.00 Credits Class 3.00 Lab 0.00

Leadership and supervision characteristics of people who supervise employees in a dietary department. Employee needs, leadership characteristics and styles, motivation, direction and control, dealing with personnel problems, interviewing, training, counseling and evaluation employees and effective communications at work. Offered: Spring.

PACE

DT 200 Diet Therapy I

Class 3.00 Lab 0.00

3.00 Credits Nutritional intervention used in diseases of the endocrine, cardiovascular and renal systems. Concurrent with HC 110. Prerequisites: DT 110 and DT 120. Offered: Summer, Fall, Winter, Spring.

PACE

DT 202 Nutrition Care Process

3.00 Credits Class 3.00 Lab 0.00

Assessment, planning, implementation, evaluation and documentation responsibilities of the dietetic technician. Nutrition care process is reviewed including charting, nutrition care plans, diet histories and the clinical, biochemical and anthropometric indices of nutritional status. Prerequisite: DT 110. Offered: Summer, Fall, Winter, Spring.

205

Dietetic Directed Practice IV

2.00 Credits Class 1.00 Lab 7.00

Practice of nutrition care procedures and food service management principles in health care settings. Work with patients who require therapeutic management of endocrine, cardiovascular or renal disease through diet modification. Includes purchasing, tray line supervision, cleaning and sanitizing procedures, quality assurance and developing a product information file. Prerequisite: DT 121. Offered: Fall. Course fee:

210 Diet Therapy II PACE

3.00 Credits Class 3.00 Lab 0.00 Nutritional intervention used in febrile illness, diseases of the gastrointestinal, musculoskeletal and biliary systems, surgical and stressed patients, neoplastic diseases, allergies, food medication interactions and childhood illnesses. Prerequisite: DT 200. Offered: Summer, Fall, Winter, Spring.

212

PACE

**Nutrition Education Methods** 2.00 Credits Class 2.00 Lab 0.00

Development of skills in the teaching/learning process in nutrition education with individuals and groups. The student develops and uses lesson plans, teaching materials and audiovisual aids in nutrition education. Prerequisites: DT 110 and DT 200. Offered: Summer, Fall, Winter, Spring.

Dietetic Directed Practice V

2.00 Credits Class 1.00 Lab 7.00

Practice of nutrition care procedures and food service management in a health care setting. The student works with patients who require dietary management of gastrointestinal, biliary, and neoplastic diseases, with surgical patients, and with patients who are physically stressed and require nutrition supplementation. Assignments also include employee training and evaluation, safety engineering and training, and planning production schedules. Prerequisite: DT 205. Offered: Winter. Course fee: \$35.

DT 220

Current Topics in Dietetics

0.25-2.00 Credits Class 0.25-2.00 Lab 0.00

An opportunity to explore topics of professional interest in greater depth and to present nutrition literature findings. Prerequisites: DT 200 and DT 210. Offered: Spring. Course fee: \$10.

225

Dietetic Directed Practice VI

3.00 Credits Class 1.00 Lab 10.00

Practice of nutrition care in the hospital dietary department, community nutrition education program, school food service and in long term care facilities. The student assesses dietary habits and nutritional needs, writes care plans, performs dietary department activities, evaluates modified recipes and instructs patients as assigned. Prerequisite: DT 215. Offered: Spring. Course fee: \$35.

230

Management of Quantity Food Systems

3.00 Čredits Lab 0.00 Class 3.00

Overview of institutional food services. Management organization, menu planning, material control, personnel methods, equipment and facilities are discussed from an institutional perspective. Prerequisites: DT 120 and DT 122. Offered: Winter.

290

Dietetic Special Topics
0.50–5.00 Credits Class 0.50–5.00
Class 0.50–5.00 Lab 0.00

Structured exploration of a specific topic(s) by participants in a group.

Dietetic Individual Study

1.00-5.00 Credits Class 1.00-5.00 Lab 0.00

Individual study or research. Topics are arranged on an individual basis with instructor permission.

292

Dietetic Field Experience

Class 0.00 1.00-4.00 Credits Lab 12.00-48.00 On-the-job training in a dietetics facility through special arrangement

with an instructor. Course fee: \$25.

293

Dietetic Directed Practice

2.00-8.00 Credits Class 1.00 Lab 5.00-35.00 Directed practice instruction in the performance of a particular function from an assigned instructor, and then observed and critiqued by the instructor in a repeat performance of that function. Course fee:

294

Dietetic Cooperative Work Experience

2.00-5.00 Credits Class 1.00 Lab 10.00-40.00 An on- or off-campus paid work experience coordinated by a faculty member with at least one on-site visit during the quarter. Each student must be enrolled in an on-campus seminar. One credit is awarded for a minimum of ten clock hours of work experience scheduled during a standard work week. Course fee: \$25.

Dietetic Practicum

2.00-7.00 Credits Class 1.00 Lab 7.00-42.00 The student is placed in a work environment for a minimum amount of

time to gain experience before graduation. Course fee: \$25.

Dietetic Observation Hour

1.00-3.00 Credits Class 0.00 Lab 15.00-45.00 Participation in an educational experience as observers of practitioners representative of the occupational area. The student may participate at times in the actual work activity.

298

Dietetic Internship

3.00-9.00 Credits Class 0.00-3.00 Lab 20.00-40.00 On the job training in the work place of a cooperating agency. Coordinated by an instructor. Course fee: \$25.

# E-Commerce

100

Internet Webmaster I

4.00 Credits Class 4.00 Lab 0.00
Basic knowledge of E-Commerce including terms, internet infrastructure, client software, HTML tags, search engines, network topologies, network hardware devices, network protocols and collecting customer information. Offered: Fall. Course fee: \$200.

EC 101

Business Needs Analysis

S.UU Credits Class 3.00 Lab 0.00 Explores and applies emerging business needs analysis models focusing on what companies must be doing today if they are to be competitive in the future. Includes SWOT (strengths, weaknesses, opportunities, threats) Analysis, BPM (Business Process Management) Analysis, JAD (Joint Application Development), MBM (Market Based Management) Analysis, TOC (Theory of Constraints) Analysis and Competency Based Analysis. Offered: Winter.

102

The Internet as a Business Platform

3.00 Credits Class 3.00 Lab 0.00

Introduces the tools of e-commerce on the Internet utilizing search engine techniques, installing plug-ins, networking fundamentals, TCP/IP and electronic servers. Offered: Fall. Course fee: \$25.

EC 110 Marketing on the Internet

4.00 Credits Class 4.00 Lab 0.00 Basic knowledge of the internet as a marketing tool, digital technologies, networks, consumer online behavior, web business models, customer relationship support, new product development, online community building, internet pricing models and e-marketing plans. Offered: Winter. Course fee: \$35.

115

E-Commerce Law, Legal Issues, and Ethics

3.00 Credits Class 3.00 Lab 0.00 Basic knowledge of legal issues surrounding information security, online transactions, rights in electronic commerce, regulating information content and regulating online content. Offered: Winter.

130

Course fee: \$35.

Web Market Research

3.00 Credits Class 2.00 Lab 3.00

Basic knowledge of e-marketing, internet users and behaviors, product and pricing, e-marketing communication, the internet as a distribution channel, customer relationship management, leveraging technologies and e-marketing planning. Offered: Spring. Course fee: \$35.

EC 150 Advanced Internet Networking and Security Class 3.00 Lab 0.00 Prerequisite: EC 100. Offered: Spring. Course fee: \$35.

EC 200 Internet Webmaster II

4.00 Credits Class 3.00 Lab 2.00
Creation and management of web sites with tools such as Macromedia Dreamweaver 3.0 and Flas 4.0, FrontPage 2000, Dynamic HTML, and various multimedia and CSS standards. Students also develop third-generation web sites, evaluate design tools, discuss future technology standards, and explore the incompatibility issues surrounding current browsers. The course focuses on theory, design and web construction, along with information architecture concepts, web project management, scenario development and performance evaluations. Prerequisite: EC 100. Offered: Winter. Course fee: \$200.

EC 201 Internet Webmaster III

4.00 Credits Class 3.00 Lab 2.00 How to conduct business online and the technological issues associated with constructing an electronic-commerce site. Students implement a genuine transaction-enabled business-to-consumer site, examine strategies and products available for building electronic-commerce sites, examine how such sites are managed, and explore how they can complement an existing business infrastructure. Includes hands-on experience implementing the technology to engage cardholders, merchants, issuers, payment gateways and other parties in electronic transactions. Prerequisite: EC 200. Offered: Spring. Course fee: \$200.

PACE

EC 202 Advanced Internet Systems Management

Class 4.00

Lab 0.00

A comprehensive course on implementing mission-critical services on the Windows NT 4.0 and LINUX 6.1 platforms. Offered: Summer, Fall, Winter, Spring. Course fee: \$1300.

PACE

Internet Working Professional

4.00 Credits Class 4.00

Lab 0.00

A comprehensive course on TCP/IP concepts which enable the network professional to effectively plan, deploy and manage a TCP/IP enterprise network. Prerequisite: EC 202 Offered: Summer, Fall, Winter, Spring.

Network Security Professional 4.00 Credits

Class 4.00 Lab 0.00

A comprehensive course on performing phases of a security audit, including discovery and penetration, and how to defeat unauthorized users from controlling company networks. Prerequisites: EC 202 and EC 203. Offered: Summer, Fall, Winter, Spring.

E-Commerce Banking and Finance 3.00 Credits Class 2.00

Lab 3.00

Hardware and software platforms to perform financial transactions over the internet, secure protocols, authentication methods, certificate servers, SET transactions, automated clearing houses, electronic fund transfers and legal issues. Offered: Fall. Course fee: \$35.

210

Supply Chain Management 3.00 Credits Class 3.00 Lab 0.00

Use of technologies to manage e-commerce supply chains over the internet, customer value chains, supply chain software applications, EDI transactions, vendor and supplier value chains. Offered: Winter. Course fee: \$35.

212

E-Commerce Brand Management 3.00 Credits Class 3.00

Lab 0.00 Use of traditional and internet marketing strategies to build brand awareness of products. Includes analyzing successful internet companies such as Yahoo, Dell, Amazon and Cisco and their branding strategies, banner ads, e-mail campaigns and community building. Offered: Winter. Course fee: \$35.

EC 250 E-Commerce Regulation

Lab 0.00 Class 3.00 3.00 Credits

International and US laws and regulations surrounding e-commerce transactions, including tariffs, taxes, cyberspace laws, governing organizations, data privacy, shipping regulations and digital conflict resolution. Offered: Spring. Course fee: \$35.

280

E-Commerce Current Topics

0.25-3.00 Credits Class 0.25-3.00 Lab 0.00

Current issues involving e-commerce, including regulations, e-commerce software, business models and laws. Offered: Spring. Course

fee: \$35.

EC 290

E-Commerce Special Topics

0.25-3.00 Credits Class 0.25-3.00 Lab 0.00

E-Commerce Practicum

2.00-3.00 Credits Class 1.00

Lab 8.00-16.00

Placement with an e-commerce employer, Offered: Spring.

## **ECO Ecotourism**

ECO 100

Introduction to Ecotourism

4.00 Credits Class 2.00 Lab 6.00
An overview of ecotourism. The meaning(s) of environmentally responsible travel and visitation, as well as the complexities of meshing tourists with protected cultural and natural resources areas, are studied. Details components such as visitors, resource conservation. interpretive services, impacts on local communities, sustainable development, hospitality and eco-ethics. Weekly field trips to local ecotourism sites are used to illustrate the academic material. Offered: Fall. Course fee: \$60.

Island Resource Planning and Management 3.00 Credits Class 2.00

Lab 3.00

Basic theories and principles of sustainable development and ecosystem management as they apply to a small island/developing nation's natural resources. Includes planning, development, and implementation of an effective management plan and the role of ecotourism enterprises in these processes. Offered: Fall. Course fee: \$396.

ECO 108

Sustainable Development

2.00 Credits Class 1.00

Lab 3.00

2.00 Credits Class 1.00 Lab 3.00
Study in developing ventures that are environmentally, economically and socially sustainable. The focus is on environmental impact, economic feasibility and maintaining regional cultural integrity. Ecotourism, tourism paying for conservation, local economic development, education and business development regionally are addressed. Offered: Winter. Course fee: \$35.

ECO 115 Ecotour Packaging and Marketing

4.00 Credits Class 3.00 Lab 3.00

Programming, staffing, scheduling, budgeting, travel, food and evaluating equitours. Offered: Winter. Course fee: \$35.

ECO 117

Ecotourism Business

3.00 Credits Class 3.00 Lab 1.00
Examination of steps taken to build a private business in ecotourism and adventure travel. Skills include developing a business plan, financial management, accounting, customer service, human resource management, analysis of business risk and meeting industry standards. Offered: Winter.

ECO 128 Basic Rock Climbing

Basic Rock Climbing
1.50 Credits
Class 0.75
Lab 2.25
Serves to introduce the participant to the various methods, equipment and techniques that are being used currently in the sport of rock climbing. These subjects will include but not be limited to rock climbing equipment, selection and use, climbing methods, movement on the rock, route grading, belaying the climber, top roping and the basic fundamentals of lead climbing. Proper use, storage and care of the equipment will be stressed. Safety procedures and practices shall be the ultimate rule in this class. It should be noted that this class requires a great deal of physical stamina and agility. Prerequisites: RNGR 123. Course fee: \$75.

ECO 131

ECO 131

Ecotourism Lodge and Field Station Management
3.00 Credits Class 1.00 Lab 6.00

Field station operation including day to day hospitality aspects for guests such as food and beverage service, rooms and accommodations, safety and security, and emergency response. Operation and maintenance of the facilities, vehicles, and watercraft is addressed. The lab portion of this course involves hands-on problem solving and planning exercises for each of the topics under study. Offered: Fall.

Course fee: \$348.

ECO 144

Canoeing I - Fundamentals

1.00 Credit Class 0.00 Lab 2.00 Fundamentals of canoeing as prescribed by the American Red Cross including choice of canoes for particular activities, strokes necessary for flatwater paddling and simple rescue techniques. Offered: Spring. Course fee: \$70.

ECO 145

Self and Wind Propelled Watercraft 3.00 Credits Class 0.00

Class 0.00 Lab 7.00 Covers basic navigational skills, terminology and safety issues related to motorized watercraft, including deep-water sailing (may include wind surfing, sea kayaking, and dinghy operation). Emphasis is placed on supervision of these activities in an educational or recreational setting, as well as maintenance of the associated equipment. Offered: Fall. Course fee: \$408.

ECO 146 Rafting

2.00 Credits Class 0.00 Lab 4.00

Covers basic rafting skills, safety, visitor involvement, and operation. Offered: Spring. Course fee: \$150.

ECO 154

Canoeing II - Whitewater

2.00 Credits Class 0.00

An introduction to river paddling in canoes. Includes river reading, strokes and techniques specific to fast moving water. Safety is stressed throughout the course. Prerequisite: NRM 113 and ECO 144. Offered: Spring. Course fee: \$150.

ECO 155

Whitewater Rescue

1.00 Credit Class 0.00 Designed for recreational paddlers or those teaching recreational

paddlers, each student practices skills on mock river accidents such as pinning and entrapment, concentration on self rescue, proper use of throw bags, stabilization, snag line techniques and two drag systems on moving water. Prerequisites: ECO 144 and ECO 180. Offered: Spring. Course fee: \$70.

ECO 177 Open Water SCUBA Diver (PDIC)

3.00 Credits Class 2.00 Lab 3.00 This SCUBA course meets or exceeds the standards set by the Recreational Scuba Training Council (RSTC), Professional Diving Instructors Corporation (PDIC), and the National Park Service (NPS) for Open Water dive certification and NPS-4 Diver In Training (DIT) status. The course consists of, but is not limited to: a minimum of 15 hours of lecture concerning diver physics, equipment usage, safety rules and procedures, first aid as related to the diver and the aquatic environment. A minimum of 15 hours of pool sessions is also included which details the water skills necessary to using Self- Contained Underwater Breathing Apparatus (SCUBA) safely and effectively. After the required classroom, pool hours and competencies have been met two days of open water diving will be conducted. The participant will conduct two dives on each of those two days for certification and evaluation purposes. Course fee: \$235.

ECO 178 Ropes Course Facilitation

2.00 Credits Class 1.00 Lab 3.00

Provides experience to act as a high ropes course instructor assistant and as a primary instructor for low ropes and initiatives. Successful participants will need to work with the lead instructor for at least 20 contact hours before final certification. Facilitation skills will be practiced and evaluated for successful completion of the course. Course fee: \$250.

ECO 180

Kayaking I - Fundamentals

1.00 Credit Class 0.00 Lab 2.00
American Red Cross certification course which teaches the strokes necessary to control a whitewater kayak in flat and moving water and several rescue techniques including the eskimo roll. Offered: Spring. Course fee: \$70.

ECO 181

Kayaking II - Whitewater

Class 0.00 2.00 Credits lab 4.00

An American Red Cross certification course which teaches techniques specific to fast moving water. River reading skills are developed and

safety is stressed throughout the course. Prerequisite: ECO 180. Offered: Spring. Course fee: \$150.

Low Impact Camping Equipment 1.00 Credit

Class 1.00 Lab 1.00 Camping equipment and how to use it properly to avoid damage to the often fragile environment that is encountered in "wilderness" travel. The emphasis is on choice and fitting of equipment and specific techniques for low impact travel and camping. Offered: Spring. Course

ECO 185

Resource Area Management

3.00 Credits Class 2.00 Lab 3.00 This course involves the process of master planning for natural/cultural resource management areas. Areas of study include land acquisition, boundaries, resource inventories, planning of access ways, days use facilities, concessions, interpretive systems and resource maintenance and management strategies. The lab portion of this course consists of planning exercises in the field at a resource management area, completion of a master management plan for the assigned resource

Camping Equipment and Backpacking

area is required. Offered: Winter.

Class 1.00 3.00 Credits Lab 6.00 A survey of equipment and techniques necessary for low impact camping. Includes a three-day backpacking trip. Course fee: \$75.

199

Open Water SCUBA Diver (PADI) 3.00 Credits Class 2.00

Lab 3.00

Skin diving and SCUBA diving, leading to PADI (Professional Association of Dive Instructors) Open Water Diver and PADI Advanced Open Water Diver certifications. Offered: Fall. Course fee: \$678.

ECO 217

Wilderness EMT

3.00 Credits Class 2.00 Lab 3.00 Special problems associated with prolonged patient care, severe environments, and limited equipment will addressed. This is the definitive medical training course for all rural EMSD providers and wilderness rescue team members. Includes emergency rescue simulations. Course fee: \$230.

ECO 229 Wilderness First Responder 3.00 Credits

Class 1.00 Lab 6.00

Immediate care for an injured or suddenly ill person in remote areas is covered. Offered: Winter, Spring. Course fee: \$450.

ECO 230

Northwoods Ecolodge Management
3.00 Credits Class 1.00 Lab 6.00

Following successful completion of the first quarter, eco-tour lab in the form of a field trip will be taken each quarter. These are experiential courses which help to illustrate the quarter's academic and lab experiences. These trips are taken to eco-tour or eco-resort sites which are considered as providing eco/environmental experiences. A critiqued case study format is employed in these programs. Offered: Fall. Course fee: \$300.

ECO 283

Adventure Leadership - Flatwater Paddling 5.00 Credits Class 2.00 Lab 9.00 Develops adventure leadership skills using an extended flatwater paddling trip and the wilderness educators. Prerequisites: REC 113 and NR 144. Offered: Spring. Course fee: \$350.

ECO 287
Adventure Leadership - Whitewater Paddling
F On Credits Class 2.00 La Lab 9.00 Covers all phases of expedition management from conception to completion of trip and includes an expedition of at least seven days. Prerequisite: ECO 154. Offered: Spring. Course fee: \$450.

ECO 289

Adventure Leadership - Backpacking 5.00 Credits Class 2.00 Lab 9.00 This class develops the student's ability to manage a backpacking expedition, focusing on experiential training through vehicle of an extended trip in the wilderness. Prerequisite: INTP 250 and INTP 258. Course fee: \$450.

ECO 290

Ecotourism Special Topics
0.25–5.00 Credits Class 0.25–5.00 Lab 0.00
A structured exploration of a specific topic(s) by participants in a

Ecotourism Field Experience

3.00 Credits Class 0.00 Lab 36.00 This required course allows the participants to select the area of concentration (natural resources, ecotourism, hotel/restaurant management) for field of study. This course usually occurs in the summer and is taken regionally or internationally. As with the eco-tour lab it is intended to provide an in depth focus of an eco-tour site. Prerequisite: first year technical courses.

ECO 294

Ecotourism Cooperative Work Experience

Class 2.00 6.00 Credits Lab 40.00 An on- or off-campus paid work experience coordinated by a faculty member with at least one on-site visit during the quarter. Each student must be enrolled in an on-campus seminar. One credit is awarded for a minimum of ten clock hours of work experience scheduled during a

standard work week.

ECO 296

Ecotourism Practicum

Class 1.00 2.00 Credits Lab 7.00

A practicum in the ecotourism field to provide an opportunity to apply previously learned concepts and practices in a work situation. Additionally the student becomes familiar with the cooperating agency and its operation.

ECO 298

ECO 298 Ecotourism Internship

Lab 20.00

# ECON

## **Economics**

ECON 140 Principles of Microeconomics

Class 4.00 4.00 Credits Lab 0.00 Introduction to major principles and issues of American economics measuring the economy, income distribution, unemployment, inflation, profit, taxes and current economic issues and trends affecting the student's technical field. Offered: Spring.

ECON 240

Principles of Macroeconomics

4.00 Credits Class 4.00 Lab 0.00

Study of economics in terms of whole systems and the interrelationship among sectors of the economy.

**ECON 290** 

**Economics Special Topics** 

1.00-5.00 Credits Class 1.00-5.00 Lab 0.00

Structured exploration of a specific topic(s) by participants in a group.

**ECON 291** 

**Economics Independent Study** 

1.00-5.00 Credits Class 1.00-5.00 Lab 0.00

Individual study or research. Topics are arranged on an individual basis with instructor permission.

#### **EDEC**

EDEC 100

Fundamentals of Child Care

Class 3.00 Lab 1.00 Fundamentals of child care. Includes assessment of children's mental and physical development; planning to meet safety, rest, nutritional, play, hygiene and educational needs. Addresses the prevention, recognition, and management of common childhood diseases. Co- or prerequisite: HC 162. Prerequisites: HC 100, DT 102 and HC 160. Offered: Fall. Course fee: \$20.

Child Care Practicum I

Class 1.00 Lab 7.00

Provides the opportunity to interact with and plan activities for children in day care settings, head start programs and early childhood classes. Prerequisite: Admission to Nanny program. Offered: Fall. Course fee: \$30.

Child Care Practicum II 2.00 Credits

Class 1.00 Lab 7.00 This course is designed to give students the opportunity to work actively with children and staff in the childcare profession. During the practicum seminar, students will discuss practicum experiences and explore employment possibilities. Offered: Winter. Course fee: \$55.

EDEC 112 Child Care Practicum III 2.00 Credits Cla Class 1.00 Lab 7.00 Provides an opportunity to utilize principles of activity therapy, fundamentals and dynamics of child care, food preparation, physiological, social, and psychological sciences and communication techniques to plan and implement care for children in a private home setting. Prerequisites: EDEC 100 and EDEC 111. Offered: Spring. Course fee: \$55.

EDEC 115

Dynamics of Child Care

3.00 Credits Class 3.00 Lab 0.00

Communication skills and technical and legal aspects of providing child care. Topics include confidentiality, parental authority, respect for parent's philosophy of child rearing, legal implications, child abuse symptoms and professional attitudes and appearance. Prerequisite: Admission to Nanny program or instructor permission. Offered: Spring.

EDEC 120 Creative Activity for Children 4.00 Credits

Class 4.00

Planning and implementing developmentally appropriate activities for young children. Stresses the selection, evaluation and presentation of music, art, books, materials and activities that are developmentally appropriate. Prerequisite: Admission to Nanny program or instructor permission. Offered: Winter. Course fee: \$30.

## EE

# Electronics

EE 101 D.C. Circuits

4.00 Credits

Class 3.00 Lab 3.00

The study of electronic fundamentals. Begins with an introduction to direct current circuits and the three fundamental quantities of electronics (current, voltage and resistance). Ohm's and Watt's laws will be applied to series, parallel and series-parallel circuits. Students will learn to test and troubleshoot components and circuits. Labs emphasize practical application of the DC circuit theory. Offered: Fall. Course fee:

EE 102 A.C. Circuits

4.00 Credits Class 3.00 Lab 3.00

A continuation of EE 101, this course covers Ohm's and Watt's laws as applied to alternating current circuits. The characteristics of inductors, transformers, capacitors and the circuits they comprise will be examined. Labs emphasize practical application of the AC circuit theory. Prerequisite: EE 101. Offered: Winter. Course fee: \$35.

109

Semiconductor Devices I

4.00 Credits Class 3.00 Lab 3.00

A study of electronic fundamentals, covering series and parallel resonant circuits, low pass, high pass, band pass, band stop filters, diode rectification, power supply filtering, transistor fundamentals, power amplifiers and common amplifier configurations. Prerequisites: EE 102 and EE 101. Offered: Spring. Course fee: \$35.

Semiconductor Devices II

4.00 Credits Class 3.00 Lab 3.00

Operation and application of field effect transistors and thyristors. amplifier operation and configurations, oscillators and wave shaping circuits, and schematic interpretation including DC biasing and signal flow. Lab will utilize equipment in addition to circuit construction with individual components. Prerequisite: EE 109. Offered: Fall. Course fee: \$35.

119

Electronic Communication I

3.00 Credits Class 2.00 Lab 3.00 An introduction to electronic communications, including basic operation of the telephone, a central office, private branched exchanges, mobile communications and cellular telephones, transmission line theory, radio and television systems and an introduction to audio and video tape recorders, color television cameras and monitors. Laboratory exercises will use Lab Volt Digicomm equipment. Prerequisite: EE 102. Offered: Fall. Course fee: \$35.

Electronic Communication II

3.00 Credits Class 2.00 Lab 3.00 Digital communication systems and techniques, including analog and digital pulse modulation procedures, frequency and time division multiplexing and data communications to the public telephone network. Laboratory exercises use the digital Lab Volt and Digicomm modulation trainer equipment. Prerequisite: EE 119. Offered: Winter. Course fee: \$35.

123

Electronic Applications I

2.00 Credits Class 1.00 Lab 3.00 Fabrication of electronic devices/equipment. New skills such as soldering and layout design are included. Prerequisite: EE 109. Offered: Fall. Course fee: \$35.

124

Electronic Applications II

2.00 Credits Class 1.00 Lab 3.00 Advanced, complex projects are manufactured to further hone fabrication and assembly skills. Prerequisite: EE 123. Offered: Winter.

Course fee: \$35.

126

PACE Introduction to Electricity

3.00 Credits Class 2.00 lab 4.00

table 1.00 Credits Class 2.00 Lab 4.00 Fundamentals of electricity and the function and operation of electrical test equipment. Includes multimeters, oscilloscopes, and AC and DC signal generators. The function of basic electrical components is studied and used in the analysis of AC and DC series and parallel circuits. Voltage, current, resistance and power are analyzed mathematically and through practical application in the laboratory.

Prerequisite: MATH 108. Offered: Summer, Fall, Winter, Spring. Course

EE 150 Technical Basis of Broadcasting I

4.00 Credits Class 3.00 Lab 3.00
Electronics for Broadcast Engineering and Production students. Includes the concepts of AC and DC electronics, Ohm's Law, series and parallel circuit combinations, inductors and transformers, capacitors and an introduction to semiconductors and amplifiers. Offered: Fall. Course fee: \$35.

EE 151
Technical Basis of Broadcasting II
Class 3.00
Class 3.00

Lab 3.00

Electronics for Broadcast Engineering and Production students. Includes radio frequency principles, antennas, vacuum tube devices, sound and acoustic transducers, basic audio equipment, analog tape recording machines, radio transmitters and modulation processes, and receiver designs. Prerequisite: EE 150. Offered: Winter. Course fee: \$35.

EE 152 Technical Basis of Broadcasting III

Class 3.00 Lab 3.00

Electronics for Broadcast Engineering and Production students. Includes television standards, color cameras, video monitoring and processing, video tape recorders, video editing equipment, TV transmission systems, digital technology and cable TV and satellite communications. Prerequisite: EE 151. Offered: Spring. Course fee: \$35.

Electronic Equipment Maintenance I

4.00 Credits Class 3.00 Lab 3.00

Design, installation, documentation and maintenance of complete broadcast and production facilities. Studio design, electrical distribution, grounding, shielding, air and power conditioning are all covered. Prerequisite: EE 109. Offered: Winter. Course fee: \$60.

Electronic Equipment Maintenance II

4.00 Credits Class 3.00 Lab 3.00

Systematic electronic troubleshooting methods prepare the student to perform electronic and electromechanical troubleshooting and maintenance. Includes the use of different sections of a service manual

and test and measurement equipment to repair electronic devices. Topics range from printed circuit board substitution to component level troubleshooting and maintenance to repairing profound failures. Prerequisite: EE 160. Offered: Spring. Course fee: \$60.

EE 225 Industrial Electronics I

3.00 Credits Class 2.00 Lab 3.00 Computerized control equipment used by industry for machine control, including the Allen Bradley programmable logic controller (PLC). Students build, test, and troubleshoot projects using the PLC, computers, relays, motors and pneumatic controls. Prerequisite: EE 115. Offered: Winter. Course fee: \$35.

226

Electronic Certification

2.00 Credits Class 1.00 Lab 3.00

Class 1.00 Lab 3.00
Preparation for the Certified Electronics Technician test from ISCET. Includes a review of fundamental electronic principles, math, AC and DC circuits, transistors, troubleshooting and repair techniques. The student is not required to take the CET exam at the end of the course. Prerequisite: EE 115. Offered: Spring.

227

Current Topics and Technology 0.50-5.00 Credits Class 0.50-5.00 Lab 0.00 Concepts relevant to the field of electronics through the exposure to state-of-the-art electronic equipment and technology. Offered: Spring.

EE 228 Industrial Electronics II 3.00 Credits CI Class 2.00 Lab 3.00 Electronic equipment, circuits, and technology used by industry for machine control. Students build, test, and troubleshoot industrial control circuits using sensors, motors, and relays. Prerequisite: EE 225.

Offered: Spring. Course fee: \$35.

EE 230 Linear IC's

3.00 Credits Class 2.00 Lab 3.00

Application of operational amplifiers, comparators, phase locked loops, voltage regulators and other linear integrated circuits. Linear and switching power supplies are also discussed. Prerequisite: EE 115. Offered: Winter. Course fee: \$35.

240

Computers for Electronic Technicians I

Lab 3.00 4.00 Credits Class 3.00

The personal computer including operating systems, major subsystems, application software and basic troubleshooting. Offered: Spring. Course fee: \$60.

Computers for Electronic Technicians II

4.00 Credits Class 3.00 Lab 3.00 Hard drives, monitors, power supplies, CD-ROMs, MODEMs, motherboards and troubleshooting hardware systems. The student builds a PC. Prerequisite: EE 240. Offered: Fall. Course fee: \$60.

EE 261 Digital Logic I

4.00 Credits Class 3.00 Lab 3.00 Fundamentals of digital logic including classification of analog and

digital signals, fundamental logic gates, Boolean algebra, combinational logic, latches and flip-flops. The student will learn and apply the principles of digital logic by building and troubleshooting digital circuits in the laboratory. Offered: Fall. Course fee: \$35.

EE 262 Digital Logic II

4.00 Credits Class 3.00 Lab 3.00

Flip-flops, one shots, asynchronous counters, synchronous counters, IC up/down counters and troubleshooting techniques. The student builds digital circuits using both digital IC's and a digital logic trainer. Prerequisite: EE 261. Offered: Winter. Course fee: \$35.

290 PACE

**Electronic Special Topics** 

1.00-5.00 Credits Class 1.00-5.00

Structured exploration of a specific topic(s) by participants in a group.

Electronic Individual Study

1.00-5.00 Credits Class 1.00-5.00 Lab 0.00

Individual study or research. Topics are arranged on an individual basis

with instructor permission.

292

Electronic Field Experience

1.00-4.00 Credits Class 0.00 Lab 12.00-48.00 On-the-job training in an electronics facility through special arrangement with an instructor.

Electronic Cooperative Work Experience

2.00-5.00 Credits Class 1.00 Lab 10.00-40.00 An on- and off-campus paid work experience coordinated by a faculty member with at least one on-site visit during the quarter. Each student must also be enrolled in an on-campus seminar. One credit is awarded for a minimum of ten clock hours of work experience scheduled during a standard work week.

Electronic Practicum

Class 2.00 3.00 Credits Lab 8.00 Practical technical experience in a electronic industrial setting. Seminar includes discussion of work site job duties and learning experiences. Prerequisite: Must be a second year electronic student. Prerequisite: EE 115. Offered: Spring.

297

Electronic Observation Hour

1.00-3.00 Credits Class 0.00 Lab 15.00-45.00 Participation in an educational experience as observers of practitioners representative of the occupational area. The student may participate at times in the actual work activity.

298

EE 298 Electronic Internship Class 0.00-3.00 Lab 20.00-40.00 On the job training in the work place of a cooperating agency. Coordinated by an instructor.

## EM **Emergency Medical**

EM 100 Emergency Victim Care (EMT-B)

7.00 Credits Lab 7.00 7.00 Credits Class 5.00 Lab 7.00 Medical injuries and illness encountered in emergency situations. The student learns to recognize symptoms and apply treatment for stabilizing the patient at the emergency scene, while moving a victim to or from the emergency vehicle and while enroute to definitive care. Includes hospital clinical experience. Meets the requirements for certification of emergency medical technician-ambulance (EMT-B), according to Section 4731.84 of the Ohio Revised Code. Prerequisite: HEM 133. Offered: Fall, Winter. Course fee: \$115. Class 5.00

EM 101 EMT Clinical Experience

Class 2.00 Lab 16.00 Introduction to the hospital environment, medical procedures and the complex interrelationship of total patient care. Includes observation time for learning the functions of the members of the patient care team. Experience with rescue squads arranged on an individual basis. Prerequisite: See instructor. Offered: Summer. Course fee: \$100.

Defensive Driving and Emergency Vehicle Operation 1.00 Credit Class 1.00 Lab 2.0 Lab 2.00 Intended to teach the skills necessary to prepare a new driver or refresh and junior or senior driver in emergency vehicle driving techniques. Offered: Fall. Course fee: \$150.

EM 105 Pediatric Advanced Life Support

Class 1.00 Lab 1.00 Emergency assessment and treatment for pediatric patients in trauma and cardiac situations. Prerequisite: EM 202. Course fee: \$150.

Introduction to Paramedic

5.00 Credits Class 2.00 Introduction to the Paramedic National Standard Curriculum including shadowing experiences, hands-on technical lab experiences and physical skills assessment and development. Prerequisite: EM 100. Offered: Fall. Course fee: \$200.

EM 108 PACE

Cardiopulmonary Resuscitation

1.00 Credit Class 1.00 Lab 0.00 Practical course for lay persons in recognition and emergency care procedures for victims of cardiac arrest and respiratory emergencies. Card issued upon completion. Offered: Summer, Fall, Winter, Spring. Course fee: \$25.

EM 109 EMT-B Refresher (Bridge) Lab 2.00 1.00 Credit Lass 1.00 Las 1.00 Las 2.00 U.S. Department of Transportation approved refresher course for the student who has completed the basic Emergency Victim Care course. Meets the requirements for recertification of EMT-B's, according to Section 4731.86 of the Ohio Revised Code. Prerequisite: EM 100. Course fee: \$25.

EM 110 EMT Paramedic I

10.00 Credits Class 6.00 Lab 12.00 Continuing study of the Paramedic National Standards Curriculum including study of the Farametic National Standards Curriculum including the study of pathophysiology, symptoms and treatment of select medical/surgical conditions. Major emphasis of the course is placed on pharmacology, cardiology, and trauma. Pertinent medical terminology is integrated into all aspects of the course. The laboratory component includes procedures necessary for the course. The labora component includes procedures necessary for the care of patients requiring drug therapy, ECG interpretation and defibrillation.

Prerequisite: EM 100. Offered: Winter, Course fee: \$200.

EM 113 EMT Squad Experience Class 2.00 Lab 16.00 Practical vehicle-clinical observation and experience including assisting with procedures within the scope of the paramedic under the direct supervision of a squad paramedic preceptor. Prerequisite: EM 102. Offered: Summer. Course fee: \$80.

EM 118 Advanced EMT-B Clinical

1.00 Credits Class 0.00 Lab 5.00 Practical hospital experience in a variety of patient care areas. Emphasizes intravenous therapy, drawing blood and subcutaneous injections of epinephrine. Prerequisite: EM 100. Course fee: \$45.

119

Advanced EMT-B 4.00 Credits

Class 3.00 Lab 3.00 Begins the study of the Department of Transportation (DOT) National Standards Curriculum. Includes the study of pathophysiology, symptomatology and treatment of select medical/surgical conditions. Emphasizes transition from EMT to EMT-Advanced and includes patient body systems, patient assessment, recognition of acute medical emergencies and single or multiple traumas. The laboratory component includes procedures necessary for the care of patients requiring invasive therapy techniques, esophageal obturator airway, and use of MAST anti-shock trousers. Prerequisite: EM 100. Course fee: \$200.

120 EMT Paramedic II

11.00 Credits Class 7.00 Lab 12.00 Study of the Paramedic National Standards Curriculum including the study of pathophysiology, symptomatology, and treatment of select medical/surgical conditions. Major emphasis of the course is on neonatology, pediatrics, geriatrics, abuse and neglect and ambulance operation. Pertinent medical terminology is integrated into all aspects of the course. The laboratory component includes procedures necessary for the care of patients requiring drug therapy, ECG interpretation and defibrillation. Prerequisite: EM 110. Offered: Spring. Course fee: \$200.

Basic Trauma Life Support (BTLS) 1.00 Credit Class 1.00

Lab 1.00 Designed for paramedics established by the American College of Emergency Physicians in the latest technology of rapid trauma assessment, treatment and transport. Prerequisite: EM 100. Course fee: \$60.

EΜ 128

Rope Rescue Techniques

2.00 Credits Class 1.00 Lab 3.00 Rappelling plus securing and stabilizing the patient for extrication. Course fee: \$50.

EM 129 First Responder

2.00 Credits

Class 1.00 Lab 3.00 Training in emergency medical care for those who are apt to be the first person responding to an accident. Offered: Fall, Winter, Spring. Course fee: \$50.

CPR for the Professional Rescuer

1.00 Credit Class 1.00 Lab 0.00 Practical course for health professionals in recognition and emergency care procedures for victims of cardiac arrest and respiratory

emergencies. Card issued upon completion. Offered: Summer, Fall, Winter, Spring. Course fee: \$25.

PACE

Standard First Aid

Class 1.00 Lab 0.00

PACE

1.00 Credit Prepares the student to meet the needs of most situations when emergency first aid care is needed and medical assistance is not excessively delayed. Increases knowledge of personal safety and accident prevention. Prerequisite: See instructor. Offered: Summer, Fall, Winter, Spring. Course fee: \$25.

EM 134 A First Aid PACE

Class 0.25-0.50 Lab 0.00

0.25-0.50 Credit Prepares the student to meet the needs of most situations when emergency first aid care is needed and medical assistance is not excessively delayed. Increases knowledge of personal safety and accident prevention. Offered: Summer, Fall, Winter, Spring. Course fee:

PACE EM 134 B

Cardiopulmonary Resuscitation

0.50 Credit Class 0.50 Lab 0.00

Prepares the participant to respond to respiratory and cardiac emergencies of the adult patient. Skills and techniques learned will help the student stay calm and make decisions appropriate to keep a victim alive. Offered: Summer, Fall, Winter, Spring. Course fee: \$15.

First Aid Recertification Course

0.50 Credit Class 0.50-5.00 Lab 1.00

Reviews the standard first aid skills a person needs to act as the first link in the emergency medical services system. Prepares participants to respond correctly in emergencies. Skills and techniques learned will help the student stay calm and make decisions appropriate to keep a victim alive and injuries from becoming worse until the EMS system arrives. Course consists of adult CPR skills and first aid skills for injuries as well as medical emergencies. Prerequisite: Current adult CPR and First Aid course. Offered: Summer, Fall, Winter, Spring. Course fee: \$10.

PACE EM 136

CPR Recertification Course

Lab 1.00 0.25-0.50 Credit Class 0.50

Review of adult, infant and child CPR and community CPR courses. Information includes dealing with respiratory emergencies that could lead to cardiac arrest and providing first aid for cardiac emergencies. Prerequisite: Current CPR card. Offered: Summer, Fall, Winter, Spring. Curse fee: \$10.

EM 137

Cardiopulmonary Resuscitation Instructor

0.25-1.00 Credit Class 0.25-1.00 Lab 0.25-1.00 Instructor course in cardiopulmonary resuscitation leading to instructor certification through the American Heart Association or American Red Cross. Basic instruction techniques, background information on heart attacks and rationale for application of CPR. Course fee: \$15.

EM

Standard First Aid Instructor

Class 1.00 Lab 0.00 American Red Cross Standard First Aid and Adult CPR Instructor Course. Application of varying teaching methods used by the American Red Cross to provide the public with knowledge and skills necessary in an emergency. Upon successful completion of this course the participant will be certified as an American Red Cross Standard First Aid Instructor. (All American Red Cross requirements must be met before student may teach classes.) Course fee: \$15.

EMT Paramedic Refresher

2.00 Credits Class 2.00 Lab 2.00

Covers all DOT modules with emphasis on practical skills. Course fee:

EM 202

Advanced Cardiac Life Support

1.00 Credit Class 1.00 Lab 1.00 Designed to meet the needs of practicing coronary care nurses, paramedics or doctors who wish to advance or assess their skills in cardiac life support. Taught by American Heart Association instructors and approved by the Central Ohio Heart Chapter. Prerequisite: Instructor permission. Course fee: \$150.

EM 203

Emergency Rescue Operations 4.00 Credits Class 3.00

Lab 4.00 Emergency rescue operations including the heavy rescue unit. Includes the use of special extrication tools and study and practice of rescue

operations on water, highways and industrial locations. Course fee:

Public Administration Relations and Education
3.00 Credits Class 2.00 Lab 3.00

Provides the emergency medical service and fire command officer with a better understanding of fire and EMS safety problems and accepted administrative methods Management problems are approached from administrative methods. Management problems are approached from the point of view of the fire or EMS chief, fire command officer and the chief administrator. Offered: Winter. Course fee: \$20.

282 FM

Emergency Medical Current Topics 0.25-5.00 Credits Class 0.25-5.00 Lab 0.00

Current topics and issues as well as new developments in the field of emergency medical services are reviewed, studied and discussed.

290

**Emergency Medical Special Topics** 

Class 1.00-5.00 1.00-5.00 Credits Lab 0.00

Structured exploration of a specific topic(s) by participants in a group.

Emergency Medical Individual Study 1.00-5.00 Credits Class 1.00-5.0

Class 1.00-5.00 Lab 0.00

Individual study or research. Topics are arranged on an individual basis

with instructor permission.

EΜ 292

**Emergency Medical Field Experience** 

1.00-4.00 Credits Class 0.00 Lab 12.00-48.00 On-the-job training in an emergency medical facility through special

arrangement with an instructor.

293

**Emergency Medical Directed Practice** 

2.00-9.00 Credits Class 1.00 Lab 5.00-40.00 Directed practice instruction in the performance of a particular function from an assigned instructor, and then observed and critiqued

by the instructor in a repeat performance of that function.

EM 294

**Emergency Medical Cooperative Work Experience** 

2.00-5.00 Credits Class 1.00 Lab 10.00-40.00 An on- or off-campus paid work experience coordinated by a faculty member with at least one on-site visit during the quarter. Each student must be enrolled in an on-campus seminar. One credit is awarded for a minimum of ten clock hours of work experience scheduled during a standard work week.

296

**Emergency Medical Practicum** 

2.00-7.00 Credits Class 1.00 Lab 7.00-42.00 The student is placed in a work environment for a minimum amount of

time to gain experience before graduation.

**Emergency Medical Observation Hour** 

1.00-3.00 Credits Class 0.00 Lab 15.00-45.00 Participation in an educational experience as observers of practitioners representative of the occupational area. The student may participate at

times in the actual work activity.

**Emergency Medical Internship** 

3.00-9.00 Credits Class 0.00-3.00 Lab 20.00-40.00 On the job training in the work place of a cooperating agency.

Coordinated by an instructor.

**ENGL** English ENGL 151

Freshman Composition

Class 5.00 Lab 0.00 Students strengthen writing skills by practicing composing and revising strategies to develop essays which are well organized, coherent, errorfree and suited to their purpose and audience. Essays may draw from personal experience, include critical response to readings or require

research. Prerequisites: COMM 110 and COMM 121 Offered: Fall. Course fee: \$20.

ENGL 152

Advanced Essay Skills

1.00 Credit Class 1.00 Lab 0.00

Continues essay-writing practice begun in ENGL 151 with emphasis on persuasion. Prerequisite: ENGL 151. Course fee: \$10.

## EQSI

# **Equine Science**

EQSI 103 Horse Care Handling

3.00 Credits Class 2.00 Lab 5.00 Introduces the basics of stable management including feeding, grooming, leading and handling of horses as well as the identification and care of tack and related equipment. In conjunction with NR 114. Offered: Fall.

EQSI 104 Primitive Tools

2.00 Credits Class 1.00 Lab 3.00

Proper care, maintenance, and safe operation of non-power tools used in the backcountry. Offered: Fall.

Horsemanship I – Beginning Riding 3.00 Credits Class 2.00

Lab 3.00

3.00 Credits Class 2.00 Lab 3.00 Basics of proper horse care and horsemanship, how to safely handle the horse and properly feed, groom, saddle and bridle the working trail horse. Riding instruction focuses on proper mounting and safe riding skills in a trail situation. Offered: Fall. Course fee: \$200.

FOSI 111

Equine Employment Seminar

Class 2.00 2.00 Credits Lab 0.00

Unique employment opportunities in the equine industry including education requirements, job opportunities, and job search techniques. Offered: Winter. Course fee: \$80.

EQSI 112

Equine Health Care I

Class 3.00 3.00 Credits Lab 1.00

Basic health care for horses including preventative health care. Offered: Fall. Course fee: \$155.

**Equine Nutrition and Supplements** 

3.00 Credits Class 2.00 Lab 3.00

Feeds and feeding of the equine at all ages and levels of performance.

Offered: Winter.

EQSI 115

Horsemanship II - Intermediate Riding

Class 2.00 Lab 3.00

Development of confidence and skills needed to handle and care for the working trail horse. Prerequisites: EQSI 103 and EQSI 110. Offered: Winter. Course fee: \$200.

Equine Anatomy and Physiology I

5.00 Credits Class 3.00 Lab 6.00

Covers the structure and function of the anatomical systems of the horse. Offered: Winter. Course fee: \$25.

EQSI 117

Equine Anatomy and Physiology II

Class 3.00 Lab 6.00 More in-depth studies of the skeletal system, muscular system,

respiratory system, cardiovascular system and blood, digestive system, urinary system, nervous system, endocrine system, and reproductive systems are studied and cross reference to each other to determine soundness, conformation, and motion. Prerequisite: EQSI 116. Offered: Winter. Course fee: \$25.

EQSI 119

Equine Business Management

3.00 Credits Class 3.00 Lab 0.00

Introduction to the equine industry and skills and techniques utilized to start and run a horse related business successfully. Offered: Fall.

**EQSI 120** 

Horsemanship III - Advanced Trail Riding

3.00 Credits Lab 3.00 Class 2.00

Practice in the full complement of skills needed to handle and ride the working back country trail horse. Lab hours polish riding skills needed to safely handle the horse in the most difficult trail situations in this region. Major aspects of handling trail horses are covered including loading, hauling and caring for horses during transport. Prerequisite: EQSI 115. Offered: Spring. Course fee: \$200.

**EQSI 123** 

EQSI 123 Equine Health Care II Class 3.00 Lab 6.00 Advanced studies in horse related diseases, parasite identification methods, vaccination, treatment, medications, and record keeping are covered. Prerequisite: EQSI 112. Offered: Fall. Course fee: \$155.

EOSI 124

Equine Acupressure I

Class 1.00 2.00 Credits Lab 3.00

Offered: Fall. Course fee: \$210.

**EQSI** 126

Animal Acupressure - The Animal Meridian System Class 1.00

1.00 Credit Class 1.00 Lab 0.00
Animal acupressure is based on Traditional Chinese Medicine's Meridian Theory. This introduction to meridian theory focuses on the twelve major meridians and two of the extraordinary vessels. Meridians will be discussed in the context of their location, function, indications, origins, and termination and physiological connection with other meridians. meridians. How the meridian system functions and the interrelatedness of the meridian system are key concepts of this course. Offered: Winter

**EQSI** 127

Animal Acupressure - Acupoints 1.00 Credit Class 1.00 Lab 0.00

Acupoints along the meridian pathways are used to balance energy throughout the animal's body during the Pont Work segment of an acupressure treatment. This course focuses on meridian theory, point classification, the functions and locations of major animal acupoints. Acupoints located along the 12 major meridians and 2 extraordinary vessels will be considered in this course. The anatomical location, category, and function of specific acupoints will be addressed. Indications and contra-indications of point use will also be covered. Offered: Winter.

EQSI 128

Animal Acupressure - The Five Elements

Class 1.00 1.00 Credit Lab 0.00

The 5-Element Theory is one of the cornerstones of Traditional Chinese Medicine. It is an essential conceptual framework for the practice of animal acupressure. This course is an introduction to the theory of the 5-Elements. The characteristics of each element including their relationship with the body organs, physiological significance and assessment indicators will be covered. The cycles of creation and control will be addressed along with specific point selection based on one theory of the 5-Elements will be included in this course. Offered: Winter.

EQSI 129 Animal Acupressure - Traditional Chinese Method 1.00 Credit Class 1.00 Lab 0.00

This course presents an overview of theoretical foundations of Traditional Chinese Medicine (TCM). This course covers the fundamental components of TCM including Yin and Yang, Chi energy, Blood and Body Fluids Shen, Essences, and the Zang Fu organs. This course establishes the philosophical and operational underpinnings of Traditional Chinese Medicine and how is specifically relates to animal pressure. Offered: Winter.

**EQSI** 130

Farm Equipment Operation and Maintenance

3.00 Credits Class 3.00 Lab 2.00 Offered: Spring.

EQSI 132

Equine Acupressure II

3.00 Credits Class 2.00 Lab 3.00 Prerequisite: EQSI 124. Offered: Spring. Course Fee: \$ 210.

EQSI 135

Forging I 3.00 Credits Class 2.00 Lab 3.00

Offered: Spring.

EQSI 136 Forging II

3.00 Credits Class 2.00 Lab 3.00

Prerequisite: EQSI 135. Offered: Fall.

EQSI 139 Saddle Making I

3.00 Credits Class 1.00 Lab 6.00

Prerequisite: EQSI 150. Course Fee: \$ 500.

EQSI 140 Saddle Making II

3.00 Credits Class 1.00 Lab 6.00

Prerequisites: EQSI 139 and EQSI 150.

Equine Marketing and Brochure Development

3.00 Credits Class 2.00 Lab 3.00

Effective marketing techniques used and applied in the equine industry, such as news releases and brochures. Offered: Spring.

EQSI 150 Leathercraft I

3.00 Credits Class 2.00 Lab 4.00

Covers leathercraft and leather repair related to horse tack, including tool in repairing and constructing tack items such as bridles, halters and related equipment. Offered: Fall. Course fee: \$160.

EOSI 151 Leathercraft II

3.00 Credits Class 1.00 Lab 4.00

Free hand leather projects that utilize tooling and sewing for the completion of assignments. Prerequisites: EQSI 150. Offered: Fall. Course fee: \$120.

EQSI 160 Equine Massage

3.00 Credits Class 2.00 Lab 3.00
Prerequisites: EQSI 115 and EQSI 103. Offered: Fall, Spring. Course fee: \$80.

EQSI 161

Advanced Equine Massage

Class 2.00 3.00 Credits Lab 3.00 Prerequisite: EQSI 160. Offered: Fall. Course fee: \$80.

EQSI 200 Horse Packing

Class 2.00 Lab 3.00 3.00 Credits

Basic skills in packing horses and mules. Prerequisites: EQSI 110 and EQSI 103. Offered: Fall. Course fee: \$75.

EQSI 201

Horse Program Management

3.00 Credits Class 2.00 Lab 3.00

An introduction to the management of horse programs. Operation of training programs and management of recreational riding facilities. Prerequisites: EQSI 103 and EQSI 110. Offered: Winter.

EQSI 210 Horseshoeing I

3.00 Credits Class 2.00 Lab 3.00 Skills necessary to replace a lost shoe on the back country trail. Lecture

covers basic horse leg anatomy, horseshoes, nails and lameness problems. Laboratory practice in shaping horseshoes cold and shoeing horses. Prerequisites: EQSI 103 and EQSI 110. Offered: Fall, Winter. Course fee: \$100.

**EQSI 212** 

Mounted Police Certification

3.00 Credits Class 2.00 Lab 2.00

EQSI 215 Horseshoeing II

3.00 Credits Class 2.00

Studies cold keg-shoeing techniques, including financial and record keeping aspects of operating a shoeing business. Prerequisite: EQSI 210. Offered: Winter. Course fee: \$100.

EQSI 220 Trail Maintenance

3.00 Credits

Class 2.00 Lab 3.00 This course is designed to teach the basic skills needed to develop and

maintain multiple-use trails. New forest service guidelines will be used to cover design, construction and maintenance of high-use, low-impact trail systems. Prerequisites: EQSI 200 and NRM 110. Offered: Spring. Course fee: \$125.

EQSI 225

Campus Park Patrol - Capstone

3.00 Credits Class 1.00 Lab 6.00

Studies exposure to situations faced as front country mounted ranger and emphasizes safely handling horses in traffic, around crowds and children. Prerequisites: EQSI 210, EQSI 200, EQSI 120. Offered: Spring. Course fee: \$200.

EQSI 230 Team Driving I

3.00 Credits Class 2.00 Lab 3.00 Introduces the basics of using horses and mules in harness, singularly and as a team. Training, handling and hitching of horses are included. Prerequisite: EQSI 120. Offered: Spring. Course fee: \$75.

EQSI 235 Team Driving II

3.00 Credits Class 2.00 Lab 3.00

This course is designed to take the student beyond basics of driving both single and draft teams. Students will have numerous opportunities to hitch and drive teams on various types of equipment and wagons. Prerequisites: EQSI 230 and EQSI 115.

EQSI 240 Colt Training I

3.00 Credits Class 1.00 Lab 6.00

Methods used to train trail and pack horses. The student starts with young, green horses and cover from halter breaking to round pen training. The student teaches horses how to load into trailers, how to accept bits and saddles and how to perform as mountain trail horses. Prerequisites: EQSI 200, EQSI 210, EQSI 120. Offered: Spring. Course fee: \$75.

EQSI 245

Colt Training II

3.00 Credits Class 1.00 Lab 6.00 For the student who has successfully completed NR 118 and wishes to continue the 90 to 180 day training program with colts. Emphasis is

placed on completing training for a started colt and working with a problem horse. Prerequisites: EQSI 120, EQSI 210, EQSI 103.

EQSI 250

Teaching Horseback Riding

3.00 Credits

Class 1.00 Lab 7.00

The major objective of the course is safety. Good horse management, effective programming, and creative teaching methods, which are appropriate for wilderness riding as well as ring work, are stressed without sacrificing safety, skills or fun. Prerequisites: EQSI 210, EQSI 200, EQSI 120. Offered: Winter, Spring. Course fee: \$50.

EQSI 255

Advanced Packing and Wilderness Skill

Class 0.00 Lab 12.00

Nine days of intensive training as a wilderness trail maintenance crew member for the U.S. Forest Service. Students transport their horse and pack mules to a western wilderness area and spend six days packing into the wilderness where, they practice skills required of wilderness rangers. The course is designed as a cooperative practicum with the National Park Service and the U.S. Forest Service. Prerequisites: EQSI 210, EQSI 200, EQSI 115. Offered: Summer. Course fee: \$380.

EQSI 256

Advanced Packing II

4.00 Credits Class 0.00 Lab 12.00

Students function as work crew supervisors and lead packers during a seven day extended working pack trip into a western wilderness area. Students will be responsible for the care of horses in travel and at the trail head. Prerequisite: EQSI 255. Course fee: \$380.

EQSI 257

Horse Tack Fit and Maintenance

3.00 Credits Class 2.00 Lab 3.00

Offered: Spring.

EQSI 258

Corrective Shoeing and Gait Analysis - Capstone 5.00 Credits Class 3.00 Lab 6.00 Offered: Spring.

EQSI 260

Equine Health Care and Complimentary Therapies Class 3.00 Lab 6.00 Equine health care with special emphasis on dealing with large groups of horses in remote wilderness/ranch settings. Prerequisite: EQSI 120. Offered: Fall. Course fee: \$155.

Equine Nutrition

3.00 Credits Class 3.00 Lab 0.00 Feeds and feeding of the equine at all ages and levels of performance.

Prerequisite: EQSI 115. Offered: Fall.

EQSI 262

Equine Conformation

Class 2.00 3.00 Credits Lab 3.00 Covers equine conformation relative to function and soundness. Prerequisite: EQSI 115. Offered: Fall, Spring.

EQSI 263

Broodmare and Foal Care

3.00 Credits Class 2.00 Lab 3.00 This clinic is designed to give lecture information as well as hands-on experience with the broodmare before, during and after the birth of the foal. Prerequisite: EQSI 120. Offered: Fall, Winter.

EQSI 264

Equine Anatomy and Physiology

5.00 Credits Class 4.00 Lab 4.00 Cover the structure and function of the anatomical systems of the horse. Prerequisite: EQSI 120. Offered: Fall. Course fee: \$25.

EQSI 266 Equine Sports Massage Class 2.00 Lab 3.00 Physiology of equine muscles and the benefits of equine sports massage. Prerequisites: EQSI 110, EQSI 115, EQSI 103 Offered: Fall. Course fee: \$80.

**FOSI 267** 

Equine Reproduction and Breeding - Capstone 3.00 Credits Lab 3.00 Class 2.00

Covers the breeding soundness exam through early pregnancy, including stallion management, collection and evaluation of semen, and artificial insemination. Prerequisite: EQSI 120. Offered: Fall, Spring. Course fee: \$25.

EQSI 290

**Equine Science Special Topics** 

0.50-5.00 Credits Class 0.50-5.00 Lab 0.00 A structured exploration of a specific topic(s) by participants in a

EQSI 294

Equine Science Cooperative Work Experience

6.00 Credits Class 2.00 Lab 40.00

An on- or off-campus paid work experience coordinated by a faculty member with at least one on-site visit during the quarter. Each student must be enrolled in an on-campus seminar. One credit is awarded for a minimum of ten clock hours of work experience scheduled during a standard work week. Offered: Summer.

EQSI 296

Equine Science Practicum

2.00 Credits Class 1.00 Lab 7.00

The student is placed in a work environment for a minimum amount of time to gain experience before graduation. Offered: Summer.

Equine Science Internship

3.00-9.00 Credits Class 0.00-2.00 Lab 20.00-40.00 On-the-job training in the workplace of a cooperating agency. Coordinated by an instructor. Offered: Summer.

#### ERT

## **Environmental Restoration**

Equipment Operations I

6.00 Credits Class 2.00 Lab 12.00

Knowledge, skills, and safe working techniques related to heavy equipment operation. Maintenance and service of each type of equipment is practiced. Offered: Fall. Course fee: \$450.

ERT 102

Equipment Operations II
6.00 Credits Class 2.00 Lab 12.00
Proper equipment operation including maintenance procedures, dozing techniques, straight dozing, slot dozing, side cutting, ripping procedures, proper dozing efficiencies, undercarriage wear and guidelines, warning labels and safe operating procedures. Prerequisite: ERT 101. Offered: Winter. Course fee: \$450.

Equipment Operations III

6.00 Credits Class 2.00 Lab 12.00 Advanced techniques and safe work practices involved in equipment operation. Provides "hands-on" experience in service, maintenance, operation, and safety. Prerequisite: ERT 102. Offered: Spring. Course fee:

ERT 107

Heavy Equipment Maintenance and Repair I 2.00 Credits Class 1.00 Lab 3.00
Basic knowledge of preventive maintenance and minor repair procedures for heavy equipment. Provides hands-on experience in performing equipment repair in the field including how to troubleshoot problems systematically. Inspection of cooling and fuel systems. Offered: Fall. Course fee: \$25.

ERT 108 Heavy Equipment Maintenance and Repair II

2.00 Credits Class 1.00 Lab 3.00 Intermediate procedures for troubleshooting heavy equipment problems in the field. Changing and disposal of fluids and filters. Identification and diagnosis of electrical components and use of wiring diagrams. Inspection of lubrication systems. Prerequisite: ERT 107. Offered: Winter. Course fee: \$25.

ERT 109

Heavy Equipment Maintenance and Repair III

2.00 Credits Class 1.00 Lab 3.00
Advanced use of heavy equipment field and shop tools and diagnostic equipment. Inspection of drive train components and brake systems.
Replacement of hydraulic hoses and lines. Prerequisite: ERT 108. Offered: Spring. Course fee: \$25.

ERT 110

Construction Basics

3.00 Credits Class 2.00 Lab 3.00

Formulas and calculations needed most when working on site construction, including calculations associated with moving equipment such as figuring grades, slopes, resistance and material weights. Offered: Fall. Course fee: \$25.

Diesel, Gas, and Small Engine Repair

3.00 Credits Class 2.00 Lab 3.00 Covers routine maintenance and light repair of two- and four-cycle internal combustion engines. Course fee: \$50.

Resource Conservation

3.00 Credits Class 3.00 Lab 0.00 Physical, economic, social and political considerations that relate to

environmental restoration, reclamation and construction. Course fee:

Hydraulic and Mechanical System Maintenance and Repair 3.00 Credits Class 2.00 Lab 3.00
Discusses the theory, design and function of hydraulic systems and drive chain components of forest harvesting machinery. Course fee:

ERT 121

Welding
2.00 Credits Class 1.00 Lab 3.00
Covers general methods of welding, oxyacetylene, brazing, soldering, ARC, TIG, MIG and Heliarc. Typical operations such as butt, lap, filler and vee welds are demonstrated. Offered: Winter. Course fee: \$65.

ERT 124 Advanced Welding

2.00 Credits Class 1.00 Lab 3.00 Designed for maintenance trades and kindred workers who are familiar with the basics of welding and fabrication, advanced techniques of welding utilizing MIG, electric arc and oxyacetylene equipment are taught. Shop setup and applicable safety procedures are also included. Prerequisite: ERT 121.

Commercial Driver License 40 Hour

Class 1.00 Lab 3.00 Prepares the student to sit for both the written and in-vehicle portions of the State of Ohio Commercial Drivers License examination. Teaches various techniques and safe driving practices for commercial vehicles and includes hands-on experience in proper service, maintenance, operation and safety of a commercial vehicle. Offered: Fall. Course fee:

ERT 176

Commercial Driver License 160 Hour

Class 0.00 5.00 Credits Lab 16.00 Prepares the student to sit for both the written and in vehicle portions of the State of Ohio Commercial Driver's License examination. Teaches various techniques and safe driving practices for commercial vehicles. Includes hands-on experience in proper service, maintenance, operation and safety of a commercial vehicle. Course fee: \$2400.

Commercial Driver License 200 Hour

6.00 Credits Class 0.00 Lab 20.00 Prepares the student to sit for both the written and in vehicle portions of the commercial drivers license examination. Teaches various "hands-on" experience in proper service, maintenance, operation and safety of a commercial vehicles. Includes "hands-on" experience in proper service, maintenance, operation and safety of a commercial vehicle. Course fee: 3000.

FRT 204

Equipment Operations IV

6.00 Credits Class 2.00 Lab 12.00 Safe work practices involved in equipment operation, general site management and planning along with cost efficiencies and contracts, particular attention focused on trackhoe operation Prerequisite: ERT 103. Offered: Fall. Course fee: \$450.

ERT 205 Equipment Operations V

6.00 Credits Class 2.00 Lab 12.00
Safe work practices involved in equipment operation. Each student advances to a higher skill level on all equipment and learns about the different types of lubricants and fluids required for operation of the equipment. Additional attention is focused on off-highway trucks. Prerequisite: ERT 204. Offered: Winter. Course fee: \$450.

ERT 206

**Equipment Operations VI** 

6.00 Credits Class 2.00 Lab 12.00
Safe work practices involved in equipment operation. This course has established standards of performance supported by a carefully structured learning process which brings operators to a measurable proficiency. Such training is unique to the industry. The resulting higher skills will improve productivity and machine performance, reduce operating costs, and enhance safety. Prerequisite: ERT 205. Offered: Spring. Course fee: \$450.

ERT 215

Job Appraisal and Bidding

3.00 Credits Class 1.00 Lab 6.00 Site analysis to determine job costs, work with code enforcement officials and retailers to determine material prices, and preparation of bids which will generate a profit on the project. Offered: Winter. Course fee: \$20.

ERT 217 Environmental Sampling Class 1.00 Lab 6.00 Environmental sampling used by private and government agencies in enforcing state and federal laws and regulations. Includes calibration of equipment in order to attain accurate results. Offered: Spring. Course fee: \$40.

ERT 219

Applied Surveying

3.00 Credits Class 2.00 Lab 3.00 Applies skills learned in Surveying and Mapping I to perform a small site survey analysis. Includes presenting results in a professional manner. Prerequisite: NRM 123. Offered: Winter. Course fee: \$25.

ERT 294

Equipment Operations Coop/Apprenticeship 6.00 Credits Class 2.00 Lab 40.00 An on- or off-campus paid work experience.

ERT 294 A

Equipment Operations Coop/Apprenticeship A 6.00 Credits Class 2.00 La Lab 40.00 Prerequisite: ERT 103. Offered: Fall.

294 B

Equipment Operations Coop/Apprenticeship B 6.00 Credits Class 2.00 Lab 40.00 Prerequisite: ERT 294 A. Offered: Winter.

ERT 294 C

Equipment Operations Coop/Apprenticeship C 6.00 Credits Class 2.00 Lab 40.00 Prerequisite: ERT 294 B. Offered: Spring.

ERT 296

**Environmental Restoration Practicum** 

2.00 Credits Class 1.00 Lab 7.00 An on- or off campus work experience. Offered: Summer.

ERT 298

**Equipment Operations Internship** 

Class 0.00-3.00 6.00-9.00 Credits Lab 20.00-40.00

# **English Support**

051

English Support Conversation - Fundamentals 3.00 Credits Class 3.00 Lab 2.00 Introductory course for the student for whom English is a second language. Emphasizes survival oral/aural communication skills through the study and practice of common and emergency vocabulary, conversation, and pronunciation of spoken American English. Course fee: \$35.

052

English Support Reading - Fundamentals Class 5.00

Lab 0.00 Introductory course for the student for whom English is a second language. Strongly emphasizes survival recognition and understanding of textual material by study and practice of common and emergency vocabulary through the use of selected reading materials. Course fee:

English Support Writing and Grammar - Fundamentals Class 5.00 Lab 0.00 Introductory course for the student for whom English is a second language. Strongly emphasizes basic writing and grammar skills through use and practice. Course fee: \$35.

English Support Integrated Skills - Fundamentals Class 2.00 Lab 3.00 Introductory course for the student for whom English is a second language. Integrates and extends conversation, reading, and writing skills through supervised practice in specific labs. Course fee: \$35.

English Support Fundamental Special Topics
1.00–8.00 Credits Class 1.00–8.00 Lab 0.00
Introductory course for the student for whom English is a second language.

English Support Conversion - Beginning I 1.00–4.00 Credits Class 1.00–3.00 Lab 1.00–2.00 Beginning course for the student for whom English is a second Lab 1.00-2.00 language. Strongly emphasizes the strengthening of oral/aural conversation abilities and listening comprehension through the study and practice of common vocabulary, conversational forms and the pronunciation of spoken American English. Course fee: \$35.

062

English Support Reading - Beginning I

5.00 Credits Class 5.00 Beginning course for the student for whom English is a second language. Strongly emphasizes the development and strengthening of reading comprehension through the use of selected basic reading materials. Course Fee: \$35.

ES 063

English Support Writing and Grammar - Beginning I
8.00 Credits Class 8.00 Lab 0.00
Beginning course for the student for whom English is a second a language. Strongly emphasizes the development and strengthening of writing skills through use and practice. Course fee: \$35.

ES 064

English Support Integrated Skills – Beginning I
3.00 Credits Class 2.00 Lab 3.00
Beginning course for the student for whom English is a second language. Integrates and extends conversation, reading and writing skills through supervised practice in specific labs. Course fee: \$35.

ES 068
English Support Beginning I Special Topics
1.00–8.00 Credits Class 1.00–8.00 Lab 0.00
Beginning I course for the student for whom English is a second language.

ES 071

English Support Conversation – Beginning II

1.00–3.00 Credits Class 1.00–3.00 Lab 1.00–2.00

Continuing course for the student whom English is a second language.

Strongly emphasizes the strengthening of oral/aural conversation abilities and listening comprehension through the study and practice of common vocabulary, conversational forms and the pronunciation of spoken American English. Course fee: \$35.

ES 072
English Support Reading - Beginning II
1.00-5.00 Credits Class 1.00-5.00 Lab 0.00
Continuing beginning course for the student for whom English is a second language. Strongly emphasizes the development and strengthening of reading comprehension through the use of selected basic reading materials. Course fee: \$35.

ES 073
English Support Writing and Grammar – Beginning II
1.00–8.00 Credits Class 1.00–8.00 Lab 0.00
Continuing beginning course for the student for whom English is a second language. Strongly emphasizes the development and strengthening of writing skills through the use and practice of basic English grammatical structures derived from selected texts. Course fee:

ES 074
English Support Integrated Skills – Beginning II
1.00–4.00 Credits Class 1.00–4.00 Lab 0.00
Continuing beginning course for the student for whom English is a second language. Integrates and extends conversation, reading and writing skills through supervised practice in specific labs. Course fee:

ES 078
English Support Beginning II Special Topics
1.00–8.00 Credits Class 1.00–8.00 Lab 0.00
Beginning II course for the student for whom English is a second language.

FS 081

English Support Conversation – Intermediate I 1.00–5.00 Credits Class 1.00–5.00 Lab 0.00 Developmental course on the beginning intermediate level for the student for whom English is a second language. Strongly emphasizes the strengthening of oral/aural conversational abilities and listening comprehension through the study and practice of common vocabulary, conversational forms, and the pronunciation of spoken American English. Course fee: \$35.

ES 082
English Support Reading – Intermediate I
1.00–5.00 Credits Class 1.00–5.00 Lab 0.00
Developmental course on the beginning intermediate level for the student for whom English is a second language. Strongly emphasizes the strengthening of reading comprehension through the use of selected basic reading texts. Course fee: \$35.

ES 083
English Support Writing and Grammar - Intermediate I
1.00-8.00 Credits Class 1.00-8.00 Lab 0.00
Developmental course on the beginning intermediate level for the

student for whom English is a second language. Strongly emphasizes the development an strengthening of writing skills through the use and practice of basic English grammatical structures derived from selected texts. Course fee: \$35.

ES 084
English Support Integrated Skills – Intermediate I
1.00–5.00 Credits Class 1.00–5.00 Lab 0.00
Developmental course on the beginning intermediate level for the student for whom English is a second language. Integrates and extends conversation, reading, and writing skills through supervised practice in specific labs. Course fee: \$35.

ES 088
English Support Intermediate | Special Topics
1.00–8.00 Credits Class 1.00–8.00 Lab 0.00
Developmental course on the beginning intermediate level for the student for whom English is a second language.

ES 091
English Support Conversation – Intermediate II
1.00–5.00 Credits Class 1.00–5.00 Lab 0.00
Continuing developmental course on the upper intermediate level for the student for whom English is a second language. Strongly emphasizes the strengthening of oral/aural conversational abilities and listening comprehension through the study and practice of common vocabulary, conversational forms and the pronunciation of spoken American English. Includes an increasing focus on academic types of listening/speaking tasks and note taking. Course fee: \$35.

ES 092
English Support Reading – Intermediate II
1.00–5.00 Credits Class 1.00–5.00 Lab 0.00
Continuing developmental course on the upper intermediate level for the student for whom English is a second language. Strongly emphasizes the strengthening of reading comprehension and critical analysis through the use of selected reading texts. Includes an increasing focus on academic types of reading. Course fee: \$35.

ES 093
English Support Writing and Grammar - Intermediate II 1.00-8.00 Credits Class 1.00-8.00 Lab 0.00
Continuing developmental course on the upper intermediate level for the student for whom English is a second language. Strongly emphasizes the expansion and strengthening of writing and grammar skills through the use and practice of English grammatical structures using selected texts. Includes an increasing focus on academic types of writing as well as emphasis on preparation for the Communications sequence. Course fee: \$35.

ES 094
English Support Integrated Skills – Intermediate II
1.00–3.00 Credits Class 1.00–3.00 Lab 0.00
Continuing developmental course on the upper intermediate level for the student for whom English is a second language. Integrates and extends conversation, reading and writing skills through supervised practice in specific labs. Course fee: \$35.

ES 098
English Support Intensive Academic English I
1.00–12.00 Credits Class 1.00–12.00 Lab 0.00
A mid-intermediate course for the student for whom English is a second language. Emphasis is on preparing the mid-level English Support student for the challenges of the Intermediate II level. Course fee: \$35.

ES 099
English Support Intensive Academic English
1.00–5.00 Credits Class 1.00–5.00 Lab 0.00
A high intermediate course for the student for whom English is a second language. The emphasis is on preparing the high intermediate English Support student for the challenges of public speaking, composition and reading as required by the Communications sequence. Course fee: \$35.

ES 290
English Support Special Topics
1.00–6.00 Credits Class 1.00–6.00 Lab 0.00
This is a fundamentals to high/intermediate course for the student for whom English is a second language. The emphasis is on providing continuing support in English Support classes for the student with special topic needs. Course fee: \$35.

#### FMAQ

## Fish Management and Aquaculture

FMAQ 110 Fish Culture I

4.00 Credits Class 3.00 Lab 5.00

Basic extensive and intensive production requirements for fish in ponds, tanks, cages, raceways and recirculating systems; fish handling procedures; feeding and inventory practices; water quality parameters, record keeping and applied math. Offered: Fall. Course fee: \$45.

FMAQ 112 Fish Culture II

4.00 Credits Class 3.00 Lab 5.00

Basic requirements for limnological and water quality and testing for aquaculture, gonodal development, artificial propagation and spawning techniques egg-taking and hatchery, methods of larval and fry rearing, prophylactic measures and pond preparation. Prerequisite: FMAQ 110. Offered: Winter. Course fee: \$45.

**FMAQ 114** 

Fish Culture III

4.00 Credits Class 3.00 Lab 5.00

Freshwater fish species production methods with special emphasis on species currently being reared commercially in Ohio and the Midwest. Prerequisite: FMAQ 112. Offered: Spring. Course fee: \$45.

Hatchery Maintenance – Structure 3.00 Credits Class 2.00

Lab 3.00 Basic concepts of surface maintenance, carpentry, electricity and

masonry as it applies to fisheries and aquaculture; including use of wood tools, saws, drills, hand tools and portable power tools. Knowledge of voltage amperage, current and resistance, series and parallel circuits and basic wiring. Knowledge of block and brick laying, mixing and pouring concrete. Offered: Fall. Course fee: \$180.

**FMAQ 116** Fish Cage Culture

2.00 Credits Class 1.00 Lab 3.00

Basic extensive and intensive production requirements of fish in cage systems including fish holding procedures, feeding, inventory, cage construction, quality monitoring and record keeping procedures. Course fee: \$50.

**FMAQ 117** 

Hatchery Maintenance - Hydraulics

3.00 Crédits Class 2.00 Lab 3.00

Fundamentals of plumbing, hydraulics, and small engine repair as it applies to fish hatchery maintenance. Principles and calculations dealing with the hydraulics if water systems; including mass, density, flow, pressure, pipe sizing, friction loss, flow measurements, pipe laying and plumbing. Knowledge of fuel, oil, and ignition systems maintenance on small engine driven equipment. Offered: Winter. Course fee: \$170.

**FMAQ 119** 

Hatchery Maintenance - Welding

Class 1.00 Lab 3.00

Principles and calculations and basic concepts of electric arc and gas welding, brazing and soldering. Offered: Winter. Course fee: \$180.

Aquatic Plants and Control

3.00 Credits Class 2.00 Lab 3.00

Identification of aquatic plants and algae through the use of taxonomic keys and the role of aquatic plants in aquaculture. The proper and accepted methods of controls sufficient to obtain a state pesticide applicators license. Offered: Fall. Course fee: \$45.

FMAQ 221

Fish Management I

3.00 Credits Class 2.00 Lab 3.00

Covers physical, chemical, biological and sociological factors which influence fisheries and their management. Techniques of monitoring and influencing the factors are practiced in laboratory. Prerequisite: BIOS 268 and NRM 217. Offered: Winter. Course fee: \$15.

FMAQ 230

Hatchery Design and Construction 3.00 Credits Class 2.00

Lab 3.00

Principles used in hatchery design; including water supply requirement, pond construction, tank design, aeration requirements, facility layout and support equipment. Offered: Spring. Course fee: \$45.

FMAQ 238

Fish Management II

4.00 Credits Class 2.00 Lab 6.00 Discusses methods and techniques used in sampling fish populations

and aquatic environments, evaluation and application of fish management techniques. Prerequisite: FMAQ 221, Offered: Spring. Course fee: \$20.

FMAQ 241

Fish Hatchery Management

4.00 Credits Class 2.00 Lab 6.00

Aspects of fish culture including warm water, cool water and cold water species are studied, emphasizing nutrition, disease and water quality. Prerequisites; NR 131 and REC 221. Offered: Spring

FMAQ 271 Fish Pathology 3.00 Credits

Class 2.00 Lab 3.00

Fish disease and pathology, including the most common parasitic, bacterial, viral and environmental fish diseases in hatcheries and the etiology, epidemiology and therapeutics are discussed. Prerequisites: REC 217, REC 161 and FMAQ 201. Offered: Spring. Course fee: \$25.

FMAQ 294

Fish Management and Aquaculture Cooperative Work Experience 6.00 Credits

6.00 Credits Class 2.00 Lab 40.00
An on- or off-campus paid work experience coordinated by a faculty An on- or off-campus paid work experience coordinated by a raculty member with at least one on-site visit during the quarter. Each student must be enrolled in an on-campus seminar. One credit is awarded for a minimum of ten clock hours of work experience scheduled during a standard work week.

FMAQ 296

Fish Management and Aquaculture Practicum 2.00 Credits Class 1.00 Lal

Lab 7.00

The student is placed in a work environment for a minimum amount of time to gain experience before graduation.

FOR **Forestry** 

FOR 100

Focus on Forestry I

Class 1.00 1.00 Credit Lab 1.00

An introduction to forestry and natural resource choices, focusing on methods to improve student success including use of library resources and enhancement of student habits. Offered: Fall. Course fee: \$10.

FOR 101

Focus on Forestry II

1.00 Credit Class 1.00 Lab 1.00

Writing the resume and searching for summer employment in forestry. Offered: Winter. Course fee: \$10.

FOR 102 Focus on Forestry III

Class 1.00 1.00 Credit Lab 1.00

Forestry technical skills enhancement in tree identification, silvics, use of map and compass and basic tree measurements. Offered: Fall. Course fee: \$10.

FOR 103

Introduction to Timber Stand Improvement

2.00 Credits Class 1.00 Lab 3.00

Offered: Fall.

FOR 104

Introduction to Tree Planting

1.00 Credit Class 0.00 Lab 3.00

Offered: Fall.

FOR 109

Introduction to Forest Dendrology

2.00 Credits Class 1.00 Lab 3.00
Basic tree identification stressing major area species using common names only. Focuses on site characteristics and strategies for identification. Offered: Fall. Course fee: \$20

FOR 111

Forest Dendrology

Class 1.00 Lab 6.00 Identification of woody plants found in the Central Hardwoods region using bark, leaves, twigs, fruit, site and growth form. Use of dichotomous keys. Silvical characteristics, distribution, soil and site requirements, economic uses and other benefits to man. Major forest types and species from other regions of the U.S. are investigated. Offered: Fall. Course fee: \$20.

Reforestation and Pesticides

3.00 Credits Class 1.00 Lab 6.00 Study, planning, and application of practices used in artificial regeneration and establishment of woody vegetation on disturbed lands and practices used in controlling pests. Offered: Spring. Course fee:

FOR 120

Photo Interpretation

3.00 Credits Class 1.00 Lab 6.00 Tools used in the planning and management of natural resources. Prerequisite: MATH 108 N. Offered: Winter. Course fee: \$5.

FOR 123 Forest Measurements

Class 2.00 4.00 Credits Lab 6.00 Accurate quantification of forest resources utilizing tools, mathematical equations and sampling techniques. Prerequisite: MATH 108 N. Offered: Fall. Course fee: \$25.

FOR 124 Forest Ecology

3.00 Credits Class 2.00 Lab 3.00 Covers forest community relationships, synecology and antecology which can be applied to the technical aspects of forestry such as silviculture, mensuration, forest management and timber harvesting. Offered: Spring. Course fee: \$5.

131

FOR 131 Forest Entomology and Pathology 4 00 Credits Class 3.00

Lab 3.00 Insects, diseases and their economic impact on forest, ornamental and street trees, stressing identification and potential control. Offered: Spring. Course fee: \$5.

FOR 149
Basic Wildland Fire Fighting
Class 2.00
Class 2.00 Lab 2.00 Includes the Basic Fire Fighter S-130 course and the introduction to Fire Behavior S-190 course that has been developed by the National Wildfire Coordinating Group. The successful participant is eligible for the National Interagency Qualifications System Red Card. Course S-130 offers the required training for all fire line workers. Covers basic skills required by wildfire fighters; fire organization, use of safety equipment, size up, line construction, use and maintenance of tools and basic woodsmen skills. Course S-190 is a prerequisite for all wildfire fighters. Offered: Fall, Winter. Course fee; \$45.

FOR 150

Natural Resources Prescribed Burns

3.00 Credits Class 2.00 Lab 3.00 Prescribed burning as a tool in natural resources to achieve the following forest management objectives: natural regeneration, competition control, hazard reduction and habitat manipulation. Prerequisite: FOR 149. Offered: Fall. Course fee: \$75.

Wildland Fire - Standards for Survival

0.25 Credits Class 0.50 Designed by an interagency work group sponsored by the National Wildfire Coordinating Group, this course reviews fire-related fatalities and fire fighter safety training materials. Emphasis is placed on avoiding situations and conditions which have resulted in fire shelter deployments, serious injuries and fatalities. Prerequisite: FOR 149. Course fee: \$15.

FOR 200

Focus on Forestry IV

Class 1.00 Lab 1.00 Covers the career opportunities in forestry including state and federal government forest industry and consulting opportunities. Offered: Fall. Course fee: \$10.

FOR 201

Focus on Forestry V

1.00 Credit Class 1.00 Lab 1.00 Employment skills development including researching potential employers, writing cover letters and resumes and participating in mock interviews are covered. Offered: Winter. Course fee: \$10.

FOR 202

Focus on Forestry VI

1.00 Credit Class 1.00 Lab 1.00 Forestry technical skills enhancement in tree identification, silvics, use of map and compass, silviculture prescription and measurement principles. Offered: Spring. Course fee: \$10.

FOR 210 Forest Mensuration

4.00 Credits Class 2.00 Lab 6.00 Study of techniques and equipment used in determining quality, quantity, val stocking of hardwood timber. Prerequisites: FOR 120, FOR 123 and MATH 110. Offered: Winter. Course fee: \$15.

FOR 211 Timber Harvesting

3.00 Credits

Class 1.00 Lab 6.00 Aspects of conventional hardwood logging operations. Safety, work procedures, care and maintenance of equipment and harvesting techniques and skills are covered. Offered: Fall. Course fee: \$300.

FOR 220 Applied Silviculture

Class 2.00 4.00 Credits Lab 6.00 Cultural techniques applied to growing, harvesting and regenerating forest crops in North America. Prerequisites: FOR 111, FOR 123, FOR 124 and COMM 122. Offered: Winter. Course fee: \$25.

FOR 222

Introduction to Forestry

3.00 Credits Class 2.00 Lab 3.00 Introduction to the field of forestry including the historical, social and economic factors involved with the management of public and private forest lands in the United States. Offered: Fall, Spring. Course fee: \$50.

FOR 226

**Production Analysis** 

Class 2.00 3.00 Credits Lab 3.00 Time study and costs analysis techniques in timber harvesting.

226 A

Production Analysis A

1.50 Credits Class 1.00 Lab 1.50 Basic time study and costs analysis techniques using a variety of forestry operations. Prerequisite: MATH 108. Offered: Fall.

FOR 226 B

Production Analysis B

Class 1.00 1.50 Credits Lab 1.50

Advanced time study and costs analysis techniques using a variety of forestry operations. Prerequisite: FOR 226 A. Offered: Winter.

FOR 230

Forest Management

Class 2.00 4.00 Credits Lab 6.00 This course focuses on the management of upland central and Appalachian hardwood forests. Forest regulation problems are applied to various properties under different economic, social, and biological circumstances. Prerequisites: FOR 220 and FOR 210. Offered: Spring. Course fee: \$15.

FOR 231

Forest Products Utilization 3.00 Credits

Class 1.00 Lab 6.00 The utilization of products and services of the central hardwood region is covered including, traditional and noninvolved flow of goods and services for final product. Emphasizes the conversion of hardwood sawlogs and pulpwood into finished goods while minimizing waste. Offered: Spring. Course fee: \$10.

FOR 250

Forestry Applications in GIS/GPS

3.00 Credits Class 1.00 Lab 6.00
Applications of geographic information systems (GIS) and global positioning systems (GPS) in forest resource mapping, analysis and management. Offered: Winter. Course fee: \$45.

Best Management Practices 0.25-1.00 Credits Class 1

Class 1.00 Lab 0.00 Studies how to plan, build and maintain forest access roads to meet state and federal water quality standards in forested ecosystems. Includes forest hydrology, planning road systems, protecting streamside management zones and road maintenance. Course fee: \$10.

FOR 282

Safety Training and Planning - Logging and Sawmill 0.25 Credits Class 0.25 Lab 0.0 Lab 0.00

Writing and OSHA required safety plan and developing safety training programs for a logging or sawmill business. A safety training course is offered as a demonstration of appropriate planning and training.

Forestry Special Topics 0.25-5.00 Credits C Class 1.00-5.00 Lab 0.00 Structured exploration of a specific topic(s) by participants in a group.

Forestry Individual Study 1.00-5.00 Credits Class 1.00-5.00 Lab 0.00 Individual study or research. Topics are arranged on an individual basis with instructor permission.

FOR 292 Forestry Field Experience

1.00-3.00 Credits Class 0.00 Lab 36.00

On-the-job training in a forestry facility through special arrangement with an instructor.

FOR 294

Forestry Cooperative Work Experience 2.00–5.00 Credits Class 1.00

Lab 10.00-40.00 An on- or off-campus paid work experience coordinated by a faculty member with at least one on-site visit during the quarter. Each student must be enrolled in an on-campus seminar. One credit is awarded for a minimum often clock hours of work experience scheduled during a standard work week.

FOR 296

Forestry Practicum

2.00 Credits Class 1.00 Lab 7.00
This course consists of a directed practicum in a natural resources field, in order to provide students an avenue to apply previously learned concepts and practices in a work situation. It also allows the participant to acquire on-the-job training. Additionally, the student will become familiar with the cooperating agency and its operation. The student will perform duties commensurate with the interests of the cooperating agency and Hocking College. These duties will be educationally appropriate to the student's chosen field of study. These same duties will mesh with the agency's daily routine and overall mission. The seminar aspect will allow the student to discuss natural resources experiences with emphasis on pubic relations, management styles, personal and professional growth, expectations, job performance, and site analysis.

FOR 297

Forestry Observation Hour

1.00–3.00 Credits Class 0.00 Lab 15.00–45.00 Participation in an educational experience as observers of practitioners representative of the occupational area. The student may participate at times in the actual work activity.

298

Forestry Internship

6.00-9.00 Credits

Class 3.00

Lab 20.00-40.00

Fire Science

Orientation to Fire Services

Class 2.00 Lab 0.00

Introduction to duties, responsibilities and concerns of the fire services. Topics include fire equipment and apparatus, communications, records and reports, insurance rating systems and the law as it relates to the fire department operations and the responsibilities of various fire service ranks. Fire fighter safety as well as the causes of death and injury are discussed. Offered: Fall. Course fee: \$10.

Fire Fighter I

Class 4.00 Lab 11.00

7.00 Credits Provides first phase of training for the individual who will work under direct supervision in the fire fighting profession. Includes use of tools and equipment, chemistry of fire, extinguishment and rescue techniques. Following successful completion of the course the student is eligible to test for fire fighting certification through the Ohio Department of Public Safety. This course meets National Fire Protection Association, Inc. (NFPA- 1001) standards for fire fighting I and Ohio Standards for part time fire fighters. Prerequisite: FS 100. Offered: Fall.

Course fee: \$275.

FS 115 Fire Fighter II

7.00 Credits Class 4.00 Lab 11.00

Completes the training for the individual to work under minimum direct supervision in the fire fighting profession. Includes advanced skills in arson detection, investigation, hydrants, stand pipes, sprinkler systems and inspections. Meets National Fire Protection Association, Inc. (NFR-1001) standards (Fire Fighter II). Following successful completion of the course the student is eligible for Fire Fighter II certification through the Ohio Department of Public Safety. Prerequisite: FS 110. Offered: Fall, Spring. Course fee: \$300.

FS 116 Fire Prevention and Investigation Techniques

3.00 Credits Class 2.00 Lab 3.00 Fundamentals necessary to conduct basic fire and life safety inspections and to recognize basic fire and life safety hazards associated with various occupancies. Meets selected objectives of NFPA Standard 1031, (Professional Qualifications Standard for Fire Inspector,

Level 1). Does not replace the Public Safety Services Training Inspector 1. Includes an overview of the fire fighter's responsibilities for determining cause of fire and fire scene procedures. Offered: Winter. Course fee: \$20.

FS 128 Cold Water Near Drowning

0.25 Credits Class 1.00 Lab 0.00

Introduction to cold water, medical aspects of hypothermia, hazards of getting to the victim, the rescue trailer and equipment. Workshops in cold water diving equipment and training, water safety for the surface rescuer, interviewing witnesses and victim care and handling. Approved by the Ohio Department of Natural Resources Division of Watercraft. Course fee: \$20.

FS 131 Ice Rescue

0.25 Credits Class 0.50 Lab 0.00
Ohio Department of Natural Resources Division of Watercraft approved course teaches techniques used in ice rescue. Includes judging ice strengths, how ice is formed, identifying types of ice and the multiple

factors which affect ice strength, the study of rescue techniques and hands-on training in the use of recommended equipment. Prerequisite: FS 128. Course fee: \$20.

FS 225 Basic River Rescue

2.00 Credits Class 1.00 Lab 3.00

Theory and practical applications of moving water rescue techniques. Emphasizes laboratory activities. Active participation in organized teams which perform mock river rescues of trapped people in hazardous water situations. Course fee: \$80.

235

Underground Storage Tank Inspection

Class 4.00 Lab 0.00

State regulations, nationally recognized standards and inspection skills. Students who successfully complete the course earn certification in

Underground Storage Tank Inspection.

Underground Storage Tank Installer/Remover Recertification 0.25 Credits Class 0.25 Lab 0.00

0.25 Credits Class 0.25 Lab 0.00
Underground storage tank installer/remover recertification course meeting requirements of the State Fire Marshal BUSTR 1301:7-9-11 regulations.

253

Fire Hydraulics

3.00 Credits Class 3.00 Lab 0.00
Designed to focus on fireground hydraulics and water supply used to properly calculate pump discharge pressure, fire attack, hose layouts, friction loss, elevation and pressure problems in hose lays. Prerequisite: MATH 108. Offered: Winter. Course fee: \$20.

290

Fire Science Special Topics

0.25-5.00 Credits Class 0.25-5.00 Lab 0.00

Structured exploration of a specific topic(s) by participants in a group. Prerequisites: FS 103 and 36 hour certification. Course fee: \$5.

Fire Science Independent Study

1.00-5.00 Credits Class 1.00-5.00 Lab 0.00 Individual study or research. Topics are arranged on an individual basis with instructor permission. Prerequisites: FS 103 and 36 hour

292

Fire Science Field Experience

1.00–4.00 Credits Class 0.00 Lab 12.00–4
On-the-job training in a fire service facility through special Lab 12.00-48.00 arrangement with an instructor. Course fee: \$30.

294

Fire Science Cooperative Work Experience

2.00-5.00 Credits Class 1.00 Lab 10.00-40.00 An on- or off-campus paid work experience coordinated by a faculty member with at least one on-site visit during the quarter. Each student must be enrolled in an on-campus seminar. One credit is awarded for a minimum of ten clock hours of work experience scheduled during a standard work week. Course fee: \$30.

Fire Science Practicum 2.00 Credits Class 1.00 Lab 7.00

The student is placed in a work environment for a minimum amount of time to gain experience before graduation. Prerequisites: FS 103 and 36 hour certification. Prerequisite: FS 110 Offered: Winter. Course fee: \$40.

297

Fire Science Observation Hour 1.00–3.00 Credits Class 0.00 Class 0.00 Lab 15.00-45.00 Participation in an educational experience as observers of practitioners representative of the occupational area. The student may participate at times in the actual work activity. Course fee: \$25.

FS 298 Fire Science Internship Lab 40.00 On the job training in the work place of a cooperating agency. Coordinated by an instructor. Course fee: \$25.

## FT **Fitness**

100

Concepts in Fitness

3.00 Credits Class 3.00 Lab 0.00 Offered: Fall.

110

Exercise Science

3.00 Credits Class 2.00 Lab 3.00 Offered: Fall.

120

**Nutrition for Fitness** 

Class 2.00 2.00 Credits Lab 0.00

Offered: Winter.

130 Aerobic and Group Exercise

3.00 Credits Class 2.00 Lab 3.00

Health Appraisal

4.00 Credits Class 4.00 Lab 0.00 Offered: Spring.

Health Teaching and Behavioral Change 3.00 Credits Class 3.00 Lab 0.00

Resistance Training

2.00 Credits Class 1.00-10.00 Lab 3.00

200

Exercise Physiology and Kinesiology

4.00 Credits Class 4.00 Lab 0.00 Offered: Fall.

220

Fitness Management and Program Administration 4.00 Credits Class 4.00 Lab 0.00

Offered: Winter.

296 A

Group Exercise Practicum

3.00 Credits Class 1.00 Lab 14.00

Offered: Spring.

FT 296 B Health Fitness Practicum

3.00 Credits Class 1.00 Lab 14.00

Offered: Summer.

296 C

Fitness Management Practicum

3.00 Credits Class 1.00 Lab 14.00

Offered: Winter.

## **GEO** Geographics

GEO 100

Introduction to GIS

Class 1.00 2.00 Credits Lab 3.00

Covers the skills needed to use traditional map information. Geographic Information Systems will be defined and its use in government and industry will be examined. Prerequisite: MICS 112. Offered: Fall, Winter,

Spring. Course fee: \$55.

GEO 101

Intermediate GIS

3.00 Credits Class 2.00

Technical inner workings of GIS. Students will explore, examine and experience the rules and operations that govern data storage, data analysis and data display. Prerequisite: GEO 100. Offered: Winter. Course

GEO 102 Introduction to GPS

2.00 Credits Class 1.00 Lab 3.00

Concepts of the Global Positioning System and its history, design and application are discussed. Students will have an opportunity to collect and positional data with GPS receivers. Prerequisite: GEO 103. Offered:

Fall, Winter, Spring. Course fee: \$55.

GEO 103

Computing in GIS

1.00 Credit Class 1.00 Lab 2.00

This course will begin with a look at the various uses of computers. The progress through the functionality and components of a PC to actual hands- on use of the IBM-compatible PC and the disk operating system (DOS). Offered: Fall. Course fee: \$55.

GEO 120

Cartography

3.00 Credits Class 2.00 Lab 3.00

Theoretical understanding of the map making process combined with technical skill development exercises to create topographic, thematic and cadastral maps concentrating on computerized mapping. Offered: Winter. Course fee: \$55.

GEO 200

Applications in GIS

3.00 Credits Class 1.00 Lab 6.00

Understanding of GIS applications on the Hocking College campus with real world data. Prerequisite: GEO 101. Offered: Spring. Course fee: \$55.

GIS Data Conversion

3.00 Credits Class 1.00

Lab 6.00

Students will collect and prepare data from various sources. Preparation will include calculation of accuracy statements and accuracy checks against existing data performance standards. Students will also explore data conversion and transfer techniques within and between major GPS and GIS softwares. Prerequisite: GEO 200. Course fee: \$55.

GEO 202

Advanced GIS Applications

3.00 Credits Class 1.00 Lab 6.00

A work experience where sophisticated map products and tabular data are expected products of GIS. Students may be placed under the supervision of various local governmental agencies and/or private industry. Prerequisite: GEO 201. Course fee: \$55.

GEO 203

GPS Data Acquisition

3.00 Credits Class 2.00 Lab 3.00

GIS quality and control survey quality GPS equipment and procedures to collect positional data for GIS database projects. Prerequisites: GEO 102, GEO 120 and NRM 123. Offered: Spring. Course fee: \$80.

Remote Sensing

3.00 Credits Class 2.00 Lab 3.00

Remote sensing as a means of data acquisition for resource analysis and mapping is covered, including a variety of remote sensors that sample wavelength within the electromagnetic spectrum. Multistage sampling of natural resources will be discussed. Prerequisite: GEO 200. Course fee: \$55.

GEO 206 SML Creation

3.00 Credits Class 2.00 Lab 3.00

This course will enable students to create graphical user interfaces and command line intensive operations within geographic information system softwares. Prerequisites: GEO 101 and GEO 200. Course fee: \$65.

GEO 290

GIS/GPS Special Topics

2.00-5.00 Credits Class 0.50-5.00 Lab 0.00 Structured exploration of a specific topic by participants in a group.

GIS/GPS Individual Study

0.25-5.00 Credits Class 0.25-5.00 Lab 0.00 Individual study or research. Topics are arranged on an individual basis with instructor permission.

GEO 292 GIS/GPS Field Experience

1.00-4.00 Credits Class 0.00 Lab 12.00-48.00 On-the-job training in a geographic facility through special arrangement with an instructor.

GEO 293

GIS/GPS Directed Practice

1.00-8.00 Credits Class 0.00 Lab 5.00-40.00 Directed practice instruction in the performance of a particular function from an assigned instructor, and then observed and critiqued by the instructor in a repeat performance of that function.

GEO 294 GIS/GPS Cooperative Work Experience 2.00–5.00 Credits Class 1.00 Lab 10.00-40.00 2.00–5.00 Credits Class 1.00 Law 10.00–40.00 An on- or off-campus paid work experience coordinated by a faculty member with at least one on-site visit during the quarter. Each student must be enrolled in an on-campus seminar. One credit is awarded for a minimum of ten clock hours of work experience scheduled during a standard work week.

GEO 296 GIS/GPS Practicum

Class 1.00 2.00-7.00 Credits Lab 7.00-42.00

This course consists of a directed practicum in I resources field, in order to provide students an avenue to apply previously learned concepts and practices in a work situation. It also allows the participant to acquire on-the-job training. Additionally, the student will become familiar with the cooperating agency and its operation. The student will perform duties commensurate with the interests of the cooperating agency and Hocking College. These duties will be educationally appropriate to the student's chosen field of study. These same duties will mesh with the agency's daily routine and overall missions. The seminar aspect will allow the student to discuss natural resources experiences with emphasis on public relations, management styles, personal and professional growth, expectations, job performance, and site analysis.

GEO 297

GIS/GPS Observation Hours

Class 0.00 1.00-3.00 Credits Lab 15.00-45.00 Participation in an educational experience as observers of practitioners representative of the occupational area. The student may participate at times in the actual work activity.

GEO 298 GIS/GPS Internship

3.00-6.00 Credits Class 0.00 Lab 20.00-40.00 On the job training in the work place of a cooperating agency. Coordinated by an instructor.

## **GEOG** Geography

**GEOG 201** 

Geography 3.00 Credits Class 2.00 Lab 3.00

An examination of the economic and geographic factors that determine the earth's surface region by region in order to determine resource distribution, availability and utilization. Also examines the earth's surface region by region in order to determine resource availability, transportation concerns and environmental compatibility of resource use. Offered: Spring.

## **GEOL** Geology

GEOL 101

Geology 3.00 Credits

Class 2.00 Lab 3.00 An introduction to the scope and purpose of the science of geology covers basic considerations and procedures in identifying common rocks and minerals the conditions and processes that form the earth and how these earth forming processes affect man and man's use of the earth. Offered: Fall, Winter, Spring. Course fee: \$25.

GEOL 102

GEOL 102 Environmental Geology Class 3.00 Lab 6.00

Offered: Winter. Course fee: \$25.

**GEOL** 105

Soils

3.00 Credits Clas Offered: Fall, Winter, Spring. Class 2.00 Lab 3.00

GEOL 106 Soils II

3.00 Credits Class 2.00 Lab 3.00

Soil and conservation management as it relates to sils and runoff, drainage systems, soil classification and soil surveys, interpretations, and land use planning. Prerequisite: GEOL 105. Offered: Spring. Course fee: \$25.

## GOVT Government

GOVT 142

Interaction with Government and Politics

3.00 Credits Class 3.00 Lab 0.00 Provides an overview of the functions, structures, institutions, processes and products of the national government and impact of these on the citizens. Emphasizes relating discussions in the classroom to the personal

world and conceptualizing how government and politics function in the real world.

**GOVT 290** 

Government Special Topics

1.00-5.00 Credits Class 1.00-5.00 Lab 0.00

Structured exploration of a specific topic(s) by participants in a group.

GOVT 291

Government Individual Study
1.00–5.00 Credits Class 1.00–5.00 Lab 0.00
Individual study or research. Topics are arranged with instructor permission on an individual basis.

# GS

## **General Studies**

GS 101

Experience Hocking

Class 1.00 1.00 Credit Lab 0.00 Orientation to college life at Hocking College and an overview of the services available to students. Course fee: \$10.

GS 104

Time Management

1.00 Credit Class 1.00 Lab 0.00
Planning and management of time in relation to organizational and

individual goal setting, delegation, effective business conferences and decision making. Basic steps toward more effective planning for time management. Offered: Winter. Course fee: \$5.

Caregiver - Skills and Issues

Class 1.00 Lab 0.00

Overview of the caregiving process for professionals and family members. Addresses skills of the caregiver, coping strategies, relationships, stages of caregiving, and effects of caregiving on the caregiver.

Applied Concepts of Employment - Tutors

0.50-1.00 Credits Class 1.00 Lab 0.00

Overview of and training for positions within the on-campus employment system. Aspects of employment related to professionalism, confidentiality, personal commitment to the job and performance evaluations. Applicable to any work situation.

College Student Issues

1.00-3.00 Credits Class 1.00-3.00 Lab 0.00

Acquaints resident assistants with issues relevant to college students as well as provide training and guidance on coping with various situations. Topics range from theoretical understanding of the dynamics of human relations to practical applications of emergency techniques.

GS 124 Leadership Challenge Class 0.75 Lab 0.00

Various challenges are used to improve group communication, cohesion problem solving skills, leadership techniques and safety awareness. Course fee: \$40.

GS 125

Smart Start

1.00 Credit Class 0.00 Lab 3.00

Group bonding exercises which build a network for the learner's college career. Activities orient students to campus and surrounding areas, including learning assistance, facilities and various recreational facilities and opportunities. Course fee: \$200.

126

GS 126 Orientation Leadership Class 0.00 Lab 3.00

Orientation leaders participate in mentoring and leadership roles to assist in the orientation of new students to the Hocking College campus. Course fee: \$150.

GS 127 Quest Recreation

Class 0.00 Lab 5.00 2.00 Credits

Outdoor adventure pursuits are used to introduce problem solving techniques, team work process, initiative, innovation, personal success and leadership skills. Students take on all facets of planning. Adventures may include canoeing, caving, camping and swimming. Initiative games are used to simulate and demonstrate group interaction, teamwork, problem solving and ideation. Course fee: \$110.

128

Quest Recreation - Operator Training

Class 1.00 3.00 Credits

Lab 12.00 Techniques, strategies and hands on experience in planning, equipping, feeding and transporting adult participants in a variety of adventure activities like camping, caving, seasonal recreation, ropes course events, boating, fishing and initiative games as presented. Emphasis is placed on safety, comfort, interaction and the unique individuality of each participant. Prerequisite: Quest Recreation composite or instructor

permission.

GS 129 Orientation to College and Service Learning Class 3.00 Lab 0.00 Orientation to College and Service Learning
3.00 Credits Class 3.00 Lab 0.00
Policies and procedures, systems, curriculum, resources, certificate and degree requirements, and the responsibilities of students entering college. Effective methods for becoming a master student are reviewed along with topics such as time management, note taking, test anxiety, creativity, etc. Orientation to various community service projects within the D.R.C., completion of an in-class project and preparation of a written proposal for an individual community service project for completion of recompense for the education provided. Offered: Fall.

GS 130 PASS - Personal Academic Success Strategies

4.00 Credits Class 4.00 Lab 0.00

Fine tunes skills needed to succeed in college course work. Concepts and techniques discussed in this course come from hundreds of students from various backgrounds and geographic areas. Effective methods for

becoming a master student are reviewed along with topics such as time management, note taking, test anxiety, creativity, relationships, personal learning styles, learning resources and career development. Course fee: \$10.

Integrated Study Skills

2.00 Credits Class 2.00 Lab 2.00
Designed to develop study and life skills necessary to succeed in college.
Orientation to campus and community resources. Transfer of learning skills to other courses. Course work integrated with writing, reading, math, and technical skills. Course fee: \$40.

GS 132 Career Strategies

0.25–3.00 Credits Class 0.50–3.00 Lab 0.00 Increases self knowledge, interpersonal strengths, and occupational awareness. Synthesizes career planning components into an effective career strategy for personal fulfillment.

GS 133 Defensive Driving

0.25 Credit Class 0.25 Lab 0.00

Part of the National Safety Council's improvement program. Topics include preventing accidents, defensive driving techniques, avoiding collisions with vehicles, the art of passing and being passed and the "mystery crash." Offered: Fall. Course fee: \$50.

PACE

GS 135 Degree Development Seminar

Class 1.00 1.00 Credit Lab 0.00

Development for individual plan for Association of Individualized study degree with guidance of an instructor in Arts and Sciences. Offered: Summer, Fall, Winter, Spring.

GS 136

University Bound Seminar

1.00 Credit Class 1.00 Lab 0.00

Prepares general education students for transfer to four-year institutions. Students identify educational and career goals, develop curriculum plans and research four-year institutions and programs to meet goals.

GS 140

Caregiver Options

1.00 Credit Class 1.00 Lab 0.00

Provides caregivers with needed skills and resources required to provide positive relationships and experiences for all persons involved. Focuses on issues related to the variety of options available to provide needed care, including independent living, home care and assisted care.

141

Caregiver – Agenda for the Future 1.00 Credit Class 1.00

Class 1.00 Lab 0.00

A survey of the development, thinking and current practices in the management of the assistance for elderly, disabled or chronically ill loved one as provided by the family members. Includes ways in which these methods may provide a foundation for the future social, medical, legal and psychological needs of such persons in a changing world.

GS 160

Taxidermy 1.00 Credits

Class 0.00

Lab 3.00

Covers basic techniques of mounting birds, fish and mammals, including taxidermy log books, taxidermy supply order forms and techniques in body measurements. Course fee: \$115.

161

Advanced Taxidermy

1.00 Credits Class 0.00 Lab 3.00

Covers the taxidermy of big-game heads. Methods of tanning capes, use of liquid tan and dry preservatives, painting, habitats and exhibit construction are included. Prerequisite: GS 260. Course fee: \$115.

250

Improving Test Performance

Class 1.00 Lab 0.00 Specifically designed to meet the needs of adult students. Emphasizes sharing of academic concerns and effective study techniques. Topics include time management, test anxiety, studying for exams, strategies for taking exams, improving reading comprehension, reading a textbook effectively, taking notes, improving memory and effective listening. Course PACE

Prior Learning Documentation 1.00 Credit Class 1.00

Lab 0.00

Students analyze, document and present learning acquired prior to enrolling, in a format appropriate for receiving Credit for Learning from Experience and/or Credit by Advanced Standing. Offered: Summer, Fall, Winter, Spring.

PACE

General Studies Special Topics

0.50-5.00 Credits Class 0.50-5.00 Lab 0.00

Structured exploration of a specific topic(s) by participants in a group.

General Studies Individual Study

1.00-5.00 Credits Class 1.00-5.00 Lab 0.00

Individual study or research. Topics are arranged on an individual basis with instructor permission.

Service Learning 1.00-3.00 Credits

Class 1.00-3.00 Lab 0.00

Students will explore aspects of community service through visits to service sites, journal and short essay writing, group reflection and discussion, and planning and implementation of a class service project.

298

General Studies Internship

3.00-9.00 Credits Class 0.00-3.00 Lab 20.00-40.00 On the job training in the work place of a cooperating agency. Coordinated by an instructor.

## HC Health Core

HC 290

Health Core Special Topics

Class 0.50-5.00 0.25-5.00 Credits Lab 0.00

Structured exploration of a specific topic(s) by participants in a group.

## HIM **Health Information Management**

Health Information and Health Agency Orientation

3.00 Credits Class 3.00 Lab 0.00 Introduction to the health information management field and the structure, characteristics and documentation requirements of various health care facilities. Includes the value and uses of the medical record and the roles and functions of the HIM technology practitioner. The influence, roles and functions of regulatory and accrediting agencies are presented as well as an introduction to the roles and functions of the American Health Information Management Association. Offered: Fall. Course fee: \$35.

HIM 110 Health Records and Procedures I

3.00 Credits Class 2.00 Lab 4.00

Introduction to acute care hospitals and ambulatory care facilities, their ownership, mission and organizational structure; the Uniform Health Discharge Data Set (UHDDS); the Uniform Bill 82/92 (UB 82)/ HCFA form 1500; how the medical record is compiled, abstracted, appropriate medical record content; knowledge of JCAHO, conditions of participation and AOA documentation requirements for acute care and ambulatory patient records. Offered: Fall. Course fee: \$35.

Health Information and the Law

3.00 Credits Class 3.00

Develops the student's knowledge of legal principles that apply to health information as follows: how to preserve the confidentiality of patient-related data, how to prepare a medical retention plan based on current legal statute, JCAHO, Medicare, and Medicaid requirements; respond to various requests for health information via case studies, authorizations for release of information, court orders, and subpoenas. Issues such as releasing health information in a medical emergency, faxing health information, charging for copies, the legality of informed consents, and common legal terminology are also introduced in this course. Offered: Winter. Course fee: \$35.

HIM 120

**Basic Coding Elements** 

3.00 Credits Class 2.00 Lab 4.00

Nomenclatures and classification systems. Focuses on assignment of codes utilizing coding principles for ICD-9-CM. Identification of the principle diagnosis, principle procedure and sequencing of selected codes. Prerequisites: BIOS 112, HLTH 111, BIOS 113, BIOS 114, HIM 215, HLTH 101. Offered: Fall. Course fee: \$35.

Health Records and Procedures II

110. Offered: Spring. Course fee: \$35.

3.00 Credits Class 2.00 Lab 4.00
The student learns the role of federal, state, and local governments and non-government entities and their effect on medical record documentation, the current mechanisms of financing health care, patient care and information technology and their impact on health care systems, the role of HIM professional in today's health care care systems, the role of HIM professional in today's health care environment, the importance of data integration and clinical data management, the difference between manual and electronic processing of data, the importance of quality data and the mechanisms to ensure quality, the importance of consistency and compatibility in data collection within a health care facility, how to conduct quality assessment/clinical pertinence reviews, evaluate an information assessment and permitted reviews, evaluate an information systems database, how to examine current storage retrieval systems and determine alternative solutions to solve identified problems, the main coding systems currently in use, the factors that affect coding reimbursement, the overall purpose of registering and the fundamental purposes of health information systems. Prerequisites: HIM 100, HIM

200

Health Statistics 3.00 Credits

Class 2.00 Lab 3.00 Health data collection methodologies. Topics include health data definitions, collection of health data, computing institutional statistics and presentation of health data. Develops skills in preparing data for analysis, calculating institutional statistics and interpreting statistical data. Prerequisites: HIM 100, HIM 110 and MATH 108. Offered: Winter. Course fee: \$35.

HIM 201 Health Information Management Directed Practice I Class 0.00 4.00 Credits Lab 14.00

Directed practice in the recognition of ethical responsibilities inherent in the role of the health information management technician. Practice of medical record procedures including filing, maintenance and acquisition of health records, handling and responding to requests for information, transcription, outpatient coding and forms development,

design, approval, evaluation and usage. Prerequisite: All first year HIM courses. Offered: Fall. Course fee: \$25.

HIM 203

Applied Concepts of Coding

Class 2.00 3.00 Credits Lab 4.00 Applied Concepts of Coding, the second in a series of two coding

courses, allows the student to expand the information gained in HIM 120, especially regarding sequencing of codes; using the information contained in the medical record to choose the principal diagnosis and procedure. The interrelationship of disease and procedure classification systems, disease and procedure indices, physician profiles, and case mix classification systems will be explored. Students will be assigning codes using ICD-9-CM classification systems. Prerequisite: HIM 120. Offered: Winter. Course fee: \$35.

Current Topics in Health Information Management 0.50-3.00 Credits Class 0.50-3.00 Topics of current interest in health information management.

Health Care Reimbursement Methodologies Class 1.00 Lab 2.00

Students learn each phase of the medical claim cycle from the time the patient calls for an appointment until the financial transaction for the

encounter is completed. Types of insurance payers and the history and mechanics behind twelve reimbursement methodologies are discussed. Standard requirements for both inpatient and outpatient billing are

discussed. Offered: Winter. Course fee: \$35.

Health Information Management Directed Practice II 4.00 Credits Class 0.00 Lab 14.00

Application of classroom learning and hands-on experience with entry level competencies for Accredited Record Technician. Practice of medical record procedures include filing, maintenance and acquisition of health records, handling and responding to requests for information, transcription, outpatient coding and forms development, design, approval, evaluation and usage. Prerequisite: HIM 201. Offered: Winter.

Course fee: \$25.

HIM 212

Health Information Management Quality Control 2.00 Credits Class 2.00 Lab 0.00 Quality assurance, utilization review, risk management, regulatory agencies driving quality assurance/quality improvement and reimbursement procedures in health care facilities. Offered: Winter.

Interpreting Diagnostic Data

2.00 Credits Class 2.00 Lab 1.00 Interpretation of Diagnostic Data teaches the student how to decipher laboratory terminology, abbreviations, and common drugs via the use of actual medical records and laboratory and drug reference texts. Students' medical terminology and medical record content interpretation skills are honed to help them identify medical complications and comorbidties that can enhance reimbursement through more accurate DRG and ICD-9-CM code assignment. In addition, students learn about the basic concepts of Utilization Review and how to compare claims submitted to third-party payers with actual reimbursement received. Prerequisites: HIM 100, HIM 110, HIM 120, Medical Terminology I and II, Human Organism, Anatomy and Physiology I and II. Offered: Fall. Course fee: \$35.

Planning for Health Information Services 3.00 Credits Class 3.00

Lab 0.00 Introduction to the techniques used in planning, organizing, controlling, and directing a Health Information Department. Case study projects focus on developing the student's knowledge and skills at identifying and selecting resources necessary to support departmental operations and information systems. Using case studies, the student determines equipment and supply needs for current and/or new systems. The student develops business writing skills by writing proposals for administrators objectively defending the rationale for decisions regarding the selection of equipment, supplies, storage systems, and personnel etc. In addition, the student is introduced to the concepts of human relations and personnel management, budgeting, flow charting, preparing P charts, and designing floor plans to scale. Students plan and present a continuing education session for their instructor and classmates, and evaluate the results of a Joint Commission survey and prepare a plan of correction. Prerequisite: HIM 200. Offered: Spring. Course fee: \$35.

HIM 221

Health Information Management Directed Practice III 4.00 Credits Class 0.00 Lab 14.0 4.00 Credits Class 0.00 Lab 14.00
Prepares the HIM student to competently perform functions in a medical record department and recognize the ethical responsibilities inherent in the role of the HIM technician. Practice of medical record procedures including flow charting, employee work scheduling, quality and quantity standards, quality assurance studies, updating job descriptions and disease research. Prerequisites: HIM 211 and HIM 201. Offered: Spring. Course fee: \$25.

HIM 222 CPT Coding

3.00 Credits Class 3.00 Lab 1.00 Introduces the current procedural terminology text; CPT codes, HCPCS 3.00 Credits and CPT editorial notations; evaluation and management codes; different surgical packages; the inclusive global concept of the AMA CPT-4 surgical package; starred procedures; coding of surgical repairs; correct usage of casting codes; application of medicine codes and correct ways to attack and write modifiers. Prerequisite: First year and fourth and fifth quarter HIM courses, HIM 203. Offered: Spring. Course fee: \$35.

HIM 223

Personnel Supervision

Class 3.00 3.00 Credits Lab 0.00 Functions and techniques of personnel management. Topics include external and internal organizational factors influencing personnel activities, employee selection, employee assimilation, employee compensation and environmental factors. Prerequisite: HIM 203. Offered: Spring.

HIM 290

Health Information Management Special Topics 1.00–5.00 Credits Class 1.00–5.00 Lab Lab 0.00 Structured exploration of a specific topic(s) by participants in a group.

HIM 291

Health Information Management Individual Study Lab 0.00 1.00-5.00 Credits Class 1.00-5.00 Individual study or research. Topics are arranged on an individual basis with instructor permission.

HIM 292

Health Information Management Field Experience 1.00-4.00 Credits Class 0.00 Lab 12.00-48.00 On-the-job training in a health information management facility through special arrangement with an instructor. Course fee: \$25.

Health Information Management Directed Practice 2.00-8.00 Credits Class 1.00 Lab 5.00-35.00
Directed practice instruction in the performance of a particular function from an assigned instructor, and then observed and critiqued by the instructor in a repeat performance of that function. Prerequisite: Instructor permission. Course fee: \$25.

HIM 294

Health Information Management Cooperative Work Experience 2.00–5.00 Credits Class 1.00 Lab 10.00–40.00 An on- or off-campus paid work experience coordinated by a faculty An on- or off-campus paid work experience coordinated by a faculty member with at least one on-site visit during the quarter. Each student must be enrolled in an on-campus seminar. One credit is awarded for a minimum of ten clock hours of work experience scheduled during a standard work week. Prerequisite: Instructor permission. Course fee: \$25.

HIM 296 Health Information Management Practicum 2.00–7.00 Credits Class 1.00 I 2.00–7.00 Credits Class 1.00 Lab 7.00–42.00

The student is placed in an actual working environment for a minimum student is placed in an actual working environment for a minimum course fee: \$25.

HIM 297

Health Information Management Observation Hour 1.00–3.00 Credits Class 0.00 Lab 15 Lab 15.00-45.00 Participation in an educational experience as observers of practitioners representative of the occupational area. The student may participate at times in the actual work activity. Prerequisite: Instructor permission.

HIM 298 Health Information Management Internship 3.00-9.00 Credits Class 0.00-3.00 Lab 20.00-40.00 On the job training in the work place of a cooperating agency. Coordinated by an instructor. Course fee: \$25.

## HLTH Health

HLTH 101

Medical Terminology I

Class 3.00 3.00 Credits Lab 0.00 Building a basic medical vocabulary with an emphasis on prefixes, suffixes and roots. Spelling and pronunciation rules are covered. Anatomical, physiological and pathological terminology pertaining to selected body systems are explored. Offered: Fall, Spring

HLTH 102 Health Promotion Elective

1.00 Credit Class 1.00 Lab 0.00 Credit modules designed for health, public safety, and natural resources students. Students are exposed to knowledge, skills and attitudes related to health promotion and physical fitness for life. Prerequisite: See instructor. Development and stretching of all major muscle groups of the body in order to maximize and create a well balanced physique. This class will provide the intensity to generate muscle tissue growth, increase metabolic rate and increase flexibility to help prevent postural problems and joint injuries as well as increase joint range of motion (a must for the athlete). A low impact exercise routine stressing warm-up stretch, walking and cool- down stretching. An excellent opportunity to develop and establish a healthy lifestyle change. Comprehensive and balanced program that works every major muscle group in the body. Performed in minute intervals of aerobic conditioning and muscle strengthening movements. Hatha Yoga philosophy and instruction as they relate to practicing postures.

HLTH 102 A Dance Aerobics

1.00 Credit Class 0.00 Lab 2.00 Enjoyable exercise program of dance and jogging steps choreographed to brisk music to strengthen and increase the efficiency of the cardiovascular system. The lightweight component utilizes small one to three pound hand weights in simple routines to tone the upper body. Dynabands, improve muscular strength and endurance of the lower body. Course fee: \$30.

HLTH 102 B

Beginning Swimming

1.00 Credit Class 0.50 Lab 2.00

Course fee: \$25.

HLTH 102 C Climbing

1.00 Credit Class 0.00 Lab 2.50

Introduces various methods, equipment, and techniques used in the sport of rock climbing. Includes: rock climbing equipment care, selection and use, climbing methods, movement on the rock, route grading, belaying the climber, top roping, and the basic fundamentals of lead climbing, as ell as the proper use, storage, and care of equipment. Safety procedures and practices are stressed. Course fee:

HLTH 102 H

Tuning and Toning 1.00 Credit Class 1.00 Course fee: \$35.

Lab 1.00

HLTH 102 K

HITH 102 K Hi-Impact Kick Boxing Class 1.00 Lab 0.00

A comprehensive and balanced program that works each major muscle group in the body in a fun exercise program. Its purpose is to strengthen and increase the efficiency of the cardiovascular system over an extended period of weeks. The course involves blending your own hidden strength with the ancient art of self-defense, movement, and boxing, combined with today's great music. An extremely high impact and high movement course designed especially to quicken feet and hand movement plus balance. Course fee: \$35.

HLTH 102 M Aqua Aerobics

1.00 Credit Class 1.00 Lab 1.00

Aerobic swimming program for improving cardiovascular health and assisting with weight control. Involves simple rhythmic movements in the water. Being able to swim is not a requirement. Course fee: \$35.

HLTH 102 Q

Health and Physical Education

1.00 Credit Class 0.00 Lab 3.00

Aerobic muscle strengthening and stretching circuit training program designed to improve cardiovascular fitness, muscle strength, endurance and flexibility. Each participant is pre- and post-tested in seven areas of fitness. Prerequisite: Must be OPOTA Blend student. Offered: Fall. Course fee: \$10.

HLTH 102 S Step Aerobics

1.00 Credit Class 0.00 Lab 2.00

Comprehensive and balanced program that works every major muscle group in the lower body, while strengthening and conditioning the upper body. Involves stepping up and down on a platform while simultaneously performing upper body strength training movements to the accompaniment of music. Designed for the individual who wants a low impact, excellent cardiopulmonary workout without the frills of a traditional dance aerobic setting. Course fee: \$35.

HLTH 102 V Beginning Tennis

1.00 Credit Class 1.00 Lab 2.00

Tennis is a life long leisure and exercise activity including forehand stroke, backhand stroke, serving, footwork, scoring, doubles and singles play. Course fee: \$25.

HLTH 102 Y

Yoga

Class 1.00 Lab 1.00 This course provides participants with instruction in hatha yoga

postures (asanas). The practice of asanas contributes to physical strength and flexibility. In this class close attention is paid to spinal alignment and postural detail. The precision required of this practice allows participants to identify poor postural habits and movement patterns. Participants will learn to identify their body's reaction to stress and methods to relax the body as a tool for stress reduction. All postures (asanas) are identified by their Sanskrit name. Yoga philosophy is presented as it relates to the practice of asana. Course fee: \$30.

HLTH 103 Healthy People

1.00 Credit Class 1.00 Lab 0.00

Promotes personal health and wellness. Stress management, nutrition, beginning a fitness program, environmental factors and behavior

change strategies are included. Course fee: \$20.

HITH 104

Therapeutic Touch

Class 0.50-1.00 Lab 0.00

0.50-1.00 Credit Use of self to assist another in the restorative process through the Krieger/Kunz method of Therapeutic Touch. The relationship between nursing theory, nursing research and nursing practice will be described.

HLTH 111 Medical Terminology II

3.00 Credits Class 3.00 Lab 0.00
Anatomical, physiological and pathological terminology pertaining to selected body systems and medical specialties are explored. Selected clinical procedures, laboratory tests and abbreviations are discussed. Prerequisite: HLTH 101. Offered: Winter.

HLTH 132 How to Obtain Blood Samples

1.00 Credit Class 1.00 Lab 0.00 This course will familiarize individuals with the skills necessary for

successful venipuncture. Course fee: \$60.

HLTH 133

How to Obtain Blood Samples - Clinical 0.50 Credit Class 0.50

Class 0.50 Lab 0.00

Participants will have the opportunity to visit a laboratory and observe the role of the phlebotomist. Venipuncture will be performed with the laboratory preceptor. This clinical experience will involve spending five hours at the laboratory site and completing worksheets related to the experience. Prerequisite: Instructor permission. Course fee: \$40.

Introduction to Health Care Practice

2.00 Credits Class 1.00 Lab 2.00

Offered: Fall.

HLTH 149

Stress and Stress Management

1.00 Credit Class 1.00 Lab 0.00

Stress and its implication and relationship to illness. Alternatives in handling stress. Course fee: \$20.

HLTH 166

Complimentary Therapies

0.50-1.00 Credit Class 0.50-1.00 Lab 0.00 Introduces general public and health professionals to natural and complimentary therapies. Includes pain control through accupressure and non-drug therapies, stress management, vitamin and herb therapy.

HLTH 202

Community Health

2.00 Credits Class 2.00 Lab 0.00

A study of organizational issues of community health, which deals with health professionals, public health agencies, and other issues of health delivery. The course includes the physical aspects of community health, including communicable disease, chronic disease and safety; psychosocial issues, including drug and alcohol abuse and mental health problems; environmental issues, including air, water, waste and noise pollution and food sanitation; and special issues of community health. Offered: Fall, Spring.

# HOTR Hotel/Restaurant

Mixology and Bar Management

1.00 Credit Class 1.00 Lab 1.00

Basic understanding of how to mix drinks. Surveys basic drinks and other spirits and includes management principles. Emphasizes cost control and purchasing. Concurrent with HRCA 231. Course fee: \$75.

**HOTR 102** Wines and Beers

1.00 Credit Class 1.00 Lab 1.00

Focus on wines and beers of the world including their origin and history. Wine growing regions of Europe, North America and countries new to wine exportation are studied. Traditions, trends, proper glasses, presentation and terminology are covered. Prerequisite: Must be at least 21 years of age. Concurrent with HRCA 231. Course fee: \$90.

Hospitality Management Development

4.00 Credits Class 1.00 Lab 10.00 An opportunity to be trained and to perform as a manager in a full service hotel. Prerequisites: HOTR 223, HOTR 224, HOTR 225, HOTR 226 and HOTR 227. Offered: Spring. Course fee: \$50.

PACE **HOTR 107** 

Hospitality Industry Training 2.00 Credits Class 2.00

Lab 0.00 Provides the ability to train personnel in new or established hotel/restaurant operations. Prerequisite: Must have completed at least 60 credit hours in Culinary Arts or Hotel/Restaurant. Offered: Summer, Fall, Winter, Spring.

PACE **HOTR 108** Hospitality Human Resources Management

2.00 Credits Class 2.00 Lab 0.00

Today's hospitality professionals are concerned about recruiting workers from a shrinking labor pool and retaining qualified employees. The course includes updated information on the Family and Medical Leave Act, the Americans with Disabilities Act, and performance appraisal issues. Offered: Summer, Fall, Winter, Spring.

Quality Sanitation Management

2.00 Credits Class 2.00 Lab 1.00
Student's will learn to keep guest satisfaction high through effective quality and cost-control management, ensure compliance with the FDA Food Code and reduce risks through a Hazard Analysis Critical Control Point approach. Offered: Fall, Winter.

HOTR 111

Food Management I

Class 2.00 3.00 Credits Lab 3.00

Management organization, menu planning, material control, recipes and costing, personnel methods, equipment and facilities, food production methods and an introduction to baking and desserts. Offered: Spring. Course fee: \$75.

HOTR 112

Food Management II

Class 2.00 3.00 Credits Lab 3.00

Food service management including management organization, menu planning, material control, recipes and costing, personnel management, equipment and facilities management, food production methods, food preparation techniques, food service and clean-up. Offered: Spring. Course fee: \$75.

HOTR 114

Food Management and Preparation I

Class 2.00

Food service management including analysis of menus, recipes, inventory control, yield test and cost comparisons of food and labor situations related to food service. Students plan, prepare, serve and clean-up a food service function. Offered: Fall, Winter. Course fee: \$75.

HOTR 115

PACE

Security Management

2.00 Credits Class 2.00

Security and loss prevention for hospitality properties. Safety and loss are addressed as necessary management programs and policies to ensure successful operations. Offered: Summer, Fall, Winter, Spring.

Hospitality Computer Systems 2.00 Credits

Class 2.00 Lab 0.00

Designed to show computer applications for all hospitality functional areas, including the basics of purchasing, implementing, maintaining and effectively managing today's information systems. Offered: Summer, Fall, Winter, Spring.

**HOTR 119** 

Food Management and Preparation II

Class 2.00 3.00 Credits Lab 3.00

Food service management including management organization, menu planning, material control, recipes and costing, personnel management, equipment and facilities management, food production methods, food preparation techniques, food service, and clean-up. Prerequisite: HOTR 114. Offered: Winter, Spring. Course fee: \$75.

HOTR 120

Introduction to Hospitality Industry

Class 2.00 2.00 Credits Lab 0.00

Introduction to the lodging and food service industry. Explanation of the interrelationships involved and the variety of career opportunities available. Offered: Fall. Course fee: \$25.

HOTR 121

Hospitality Ethics

2.00 Credits Class 2.00 Lab 0.00 Business values and how they affect actions, decisions and conduct in

each department of a hotel. Policies, written and understood, are analyzed from employee, management and owner viewpoints.

HOTR 122

Tourism and Hospitality Industry 2.00 Credits

Class 2.00

Lab 0.00

This course provides an introduction to the world's fastest-growing industry. Students will be exposed to factors that will impact tourism throughout their careers. Included will be research methods, marketing planning, and other applications. Offered: Summer, Fall, Winter, Spring.

**HOTR 124** 

Convention Management and Service

3.00 Credits Class 3.00 Lab 0.00 This course will take an in-depth look at the nature and scope of today's meetings and conventions market. Students will learn how the hospitality industry is responding to the increasing demands of the market and learn how selling to and servicing the conventions and meetings market offers the opportunity for graduates to experience an exciting and rewarding career with unlimited potential. Offered: Fall.

PACE

HOTR 126 Managing for Quality Class 3.00 Lab 0.00

Students will learn how to improve their leadership abilities and develop an understanding of high-performance teams and employee empowerment. The course will cover how to put quality management tools into action to enhance service and boost business. Prerequisites: HOTR 110, HOTR 115, HOTR 235, HOTR 170, HOTR 241. Offered: Summer, Fall, Winter, Spring. Course fee: \$25.

**HOTR 140** 

Basic Financial Accounting
3.00 Credits Class 3.00

Lab 0.00

Application of practical accounting techniques to the hospitality service industry. Emphasizes the needs of management and the application of accounting concepts and techniques to managerial decision making. Front office procedures, food and beverage control and useful hotel and restaurant statistics are surveyed. Offered: Winter. Spring. Course fee: \$25.

HOTR 170

Hospitality Sales and Marketing

3.00 Credits Class 3.00 Lab 0.00

Basic knowledge and practical experience enabling the student to develop strategic marketing plans for hotel/motel properties. Offered: Fall. Course fee: \$20.

**HOTR 180** 

Hotel Restaurant Lab 3 A

3.00 Credits Class 3.00 Lab 2.00

Offered: Fall.

HOTR 181

Hotel Restaurant Lab 3 B

3.00 Credits Class 3.00 Lab 2.00

Offered: Winter.

HOTR 182

Hotel Restaurant Lab 3 C

3.00 Credits Class 3.00 Lab 2.00

Offered: Spring.

HOTR 223

Food and Beverage Lab

5.00 Credits Class 0.00 Lab 12.00

Integrates hands-on experience with academic instruction. Application of classroom concepts to practical situations in assigned work stations at the Ramada Inn. Prerequisites: HOTR 110, SUPR 117, HOTR 233, HOTR 234, HOTR 235. Offered: Fall. Course fee: \$25.

HOTR 224

Financial Management Lab

Class 0.00 Lab 12.00 This course provides the student with "hands-on" experience by application of classroom concepts to practical situations of handling financial manners at the Ramada Inn, the on-campus operational hotel. Prerequisites: COMM 122, HOTR 140, HOTR 241, MATH 108 B. Offered: Winter. Course fee: \$25.

HOTR 225

Rooms Division Lab

4.00 Credits Class 0.00 Lab 12.00 Integrates hands-on experience with academic instruction. Application of classroom concepts to practical situations in assigned work stations at the Ramada Inn. Prerequisites: COMM 123, HOTR 242, HOTR 263, HOTR 115. Offered: Spring. Course fee: \$25.

HOTR 226

Marketing and Sales Lab 4.00 Credits Cla

Class 0.00 Lab 12.00 Integrates hands-on experience with academic instruction. Application of classroom concepts to practical situations in assigned work stations at the Ramada Inn. Prerequisites: HOTR 170, HOTR 260, HOTR 122 and HOTR 124. Offered: Fall. Course fee: \$25.

HOTR 227

Human Resources Lab 4.00 Credits

Class 0.00 Lab 6.00 Integrates hands-on experience with academic instruction. Application of classroom concepts to practical situations in assigned work stations at the Ramada Inn. Prerequisites: HOTR 230, HOTR 107 and HOTR 108. Offered: Winter. Course fee: \$25.

HOTR 228 Club Management Lab 4.00 Credits Class 0.00 Lab 12.00 Integrates hands-on experience with academic instruction. Application of classroom concepts to practical situations in assigned work stations at the Ramada Inn. Course fee: \$25.

**HOTR 230** 

International Hotels - Development and Marketing Lab 0.00 2.00 Credits Class 2.00

Today's hospitality managers must understand the international business world in the rapidly changing global arena. This book features extensive coverage of cultural diversity issues and strategies for attracting guests from around the world and meeting their unique needs. Offered: Winter.

HOTR 231

Serving Alcohol with Care

1.00 Credit Class 1.00 Lab 0.00 Serving alcohol with care, understanding Ohio Liquor Laws and recognizing effects of alcohol consumption. Prepares the student to deal with potential alcohol related problems and aid in the recognition and fulfillment of social/moral obligations while engaged in the sale and service of alcoholic beverages. Upon successful completion, a certificate from the American Hotel and Motel Association is issued. Offered: Fall. Course fee: \$45.

HOTR 232

Contemporary Club Management

Class 2.00 Lab 0.00 Introduces students to the unique world of club management. The certification program of the Club Managers Association of America guided the development of the book's content, which was authored by hospitality educators with expertise in the are of club management. Offered: Spring.

**HOTR 233** 

PACE

Food and Beverage Controls

Class 3.00 Lab 0.00 Introduction to techniques for developing new customers, meeting customer needs, maximizing profits and maintaining long term customer relationships. Includes cost, sales and control of food and beverage operations. Offered: Summer, Fall, Winter, Spring.

HOTR 234

Bar and Beverage Management

Class 2.00 Lab 0.00 Introduction to bar and beverage management. Planning, equipping, staffing, operating and marketing a facility. How beverages are made, purchased, controlled and mixed into different kinds of drinks. Music, entertainment, lighting and a review of Ohio laws, service and food are discussed. Offered: Fall, Winter.

HOTR 235

Food and Beverage Services

2.00 Credits Class 2.00 Lab 0.00 Principles of quality service and development of food and beverage service skills. Topics include dining room service, buffet and banquet service, table cookery, wines, spirits and beers. Ohio laws and regulations for alcohol control are reviewed. Offered: Summer, Fall, Spring. Course fee: \$25.

**HOTR 236** 

**Budgeting for Hospitality** 

3.00 Credits Class 3.00 Lab 0.00 Introduction to financial accounting concepts used by managers and supervisors in the hospitality industry. Course includes development of an annual budget for a full service hotel. Course fee: \$25.

**HOTR 240** 

Hospitality Managerial Accounting

3.00 Credits Class 3.00 Lab 0.00 Analysis of financial statements, identification of costs, development of realistic budgets, forecasting, and planning cash flow in order to make effective managerial, business, and operational decisions. Course fee: \$50.

HOTR 241

PACE

Front Office Operations

3.00 Credits Class 3.00 Lab 0.00 Introduction to technical innovation and technical theory such as yield management, manual night audit and record procedures. Combines technical theory with quality service concepts. Offered: Summer, Fall, Winter, Spring. Course fee: \$25.

PACE

PACE

HOTR 242

Housekeeping Management 2.00 Credits Class 2.00 Lab 0.00

Planning, organizing, staffing, directing and controlling housekeeping operations within budgets. Offered: Summer, Fall, Winter, Spring. Course fee: \$10.

HOTR 243

Hotel and Restaurant Law

3.00 Credits Class 3.00 Lab 0.00 Laws significant to the hospitality industry. Emphasis on awareness of potential legal problems is designed to enable resolutions of problems before they could result in liability. Concurrent with HOTR 107 and HOTR 227. Prerequisite: SUPR 117 and HOTR 115. Offered: Winter.

Course fee: \$30.

HOTR 244

Audits and Controls for Lodging Establishments
2.00 Credits Class 1.00 Lab 3.00
Principles of managerial and basic marketing management concepts.

Covers the management of personnel and routine managerial duties. Course fee: \$15.

HOTR 260

Marketing of Hospitality Services

3.00 Credits Class 3.00 Lab 0.00

Researching potential sources of business, analyzing potential customer needs, selling services and maintaining long-term customer relationships. Offered: Summer, Fall. Course fee: \$25.

HOTR 263

Facilities Management

2.00 Credits Class 2.00 Lab 0.00 Energy management, heating, refrigeration, ventilation, air conditioning, electricity and water systems. Practical exercises in food service equipment and use of tools and materials. Offered: Spring. Course fee: \$25.

HOTR 275

Resort Management and Development

3.00 Credits Class 3.00 Lab 0.00 Application of successful business resort concepts to any type of property. Reflects the increase in importance attached to vacation travel and special weekend packages. Offered: Spring.

HOTR 276

Introduction to Hospitality Real Estate
2.00 Credits Class 2.00 Lab 0.00
An introduction to hospitality real estate from both a broker and buyer viewpoint including: proforma, feasibility studies, market studies, break-even analysis, cap rates, cash-on-cash return, real estate terms and law, contracts offers, acceptances, construction methods and types, loan packaging, payment computation and wrap mortgages.

HOTR 277

Architectural Development and Design

2.00 Credits 2.00 Credits Class 2.00 Lab 0.00
An overview of hospitality architectural development and design including: construction methods, functional design considerations, proper topographical locations, parking considerations, ancillary services and design, recreational facilities, restaurant design, lounge design, banquet and meeting room design, sleeping room design,

common area design and location, market and feasibility studies, deciding capacities and needs, furniture, fixture and equipment requirements, and interior decoration.

**HOTR 290** 

Hotel and Restaurant Special Topics

1.00-5.00 Credits Class 1.00-5.00 Lab 0.00

Structured exploration of a specific topic(s) by participants in a group.

Hotel and Restaurant Individual Study

1.00-5.00 Credits Class 1.00-5.00 Lab 0.00

Individual study or research. Topics are arranged on an individual basis with instructor permission.

HOTR 292

Hotel and Restaurant Field Experience

Class 0.00 3.00 Credits Lab 36.00 On-the-job training in a hotel/restaurant facility through special arrangement with an instructor.

Hotel and Restaurant Directed Practice

2.00–8.00 Credits Class 1.00 Lab 5.00–35.00
Directed practice instruction in the performance of a particular Lab 5.00-35.00 function from an assigned instructor, and then observed and critiqued by the instructor in a repeat performance of that function.

**HOTR 294** 

Hotel and Restaurant Cooperative Work Experience

4.00 Credits Class 2.00 Lab 20.00
An on- or off-campus paid work experience coordinated by a faculty member with at least one on-site visit during the quarter. Each student must be enrolled in an on-campus seminar. One credit is awarded for a minimum of ten clock bours of work programment. minimum of ten clock hours of work experience scheduled during a standard work week. Prerequisites: HOTR 223, HOTR 234 and HOTR 126.

Course fee: \$25.

HOTR 296 Hotel and Restaurant Practicum

2.00 Credits Class 0.00 Lab 16.00

The student is placed in an actual working environment for a minimum amount of time to gain experience before graduation. Course fee: \$25.

Hotel and Restaurant Observation Hour

1.00-3.00 Credits Class 0.00 Lab 15.00-45.00 Participation in an educational experience as observers of practitioners representative of the occupational area. The student may participate at times in the actual work activity. Course fee: \$25.

**HOTR 298** 

Hotel and Restaurant Internship

6.00-9.00 Credits Class 3.00 Lab 20.00-40.00 On-the-job training in the work place of a cooperating agency.

Coordinated by an instructor. Course fee: \$25.

HRCA

# Hotel Restaurant/Culinary Arts

Hotel/Restaurant and Culinary Cooperative Work/Seminar 2.00-8.00 Credits Class 1.00 Lab 10.00-70.00 An on- or off-campus paid work experience coordinated by a faculty member with at least one on-site visit during the guarter. Each student must be enrolled in an on-campus seminar. One credit is awarded for a minimum of ten clock hours of work experience scheduled during a standard work week. Prerequisites: HOTR 223, HOTR 241, HOTR 242 and HOTR 126. Course fee: \$25.

## HUM Humanities

**HUM 200** 

Introduction to World Literature

Class 3.00 Lab 0.00 Examines various literary works representing historical periods from the ancient world through the twentieth century. Presents a progression of literary styles and forms representing the universality of human concerns through the ages. Prerequisite: COMM 121 Course fee: \$20.

**HUM 201** 

Western Civilization and Culture

3.00 Credits Class 3.00 Lab 0.00 Provides an understanding that the human experience is not, and has never been, a series of stagnant, isolated moments. Students will learn to appreciate the fact that all people have not shared the same world views, opportunities and problems. Prerequisite: COMM 121 Course fee:

**HUM 202** 

Understanding and Appreciating Theatre Arts 3.00 Credits Class 3.00 La

Lab 0.00 Designed to give participants an opportunity to increase their insight and understanding of theatre art. Students will study the historical tradition of theatre art, its ever changing place in society and the composite talents and skills that create the drama, the productions and the performances an audience sees. Course fee: \$5.

HUM 203

Ethics, Values, and Morality

3.00 Credits Class 3.00 Lab 0.00 Rationales by which individuals and societies determine what constitutes ethical and moral behavior. Includes an overview of moral philosophy and theories of value formation. Offered: Fall, Winter, Spring. Course fee: \$5.

HUM 204

20th Century U.S. Music

3.00 Credits Class 3.00 Lab 0.00 Explores the predominant music of the United States during the twentieth century. Includes an examination of the foundations and development of classical, jazz, popular, folk and Broadway music of the last one hundred years. Course fee: \$5.

**HUM 290** 

**Humanities Special Topics** 

1.00-5.00 Credits Class 1.00-5.00 Lab 0.00

Structured exploration of a specific topic(s) by participants in a group.

Humanities Individual Study

1.00-5.00 Credits Class 1.00-5.00 Lab 0.00

Individual study or research. Topics are arranged on an individual basis with instructor permission.

# IM

# Interactive Multimedia

Graphic Design

3.00 Credits Class 2.00 Lab 3.00

Design and creation of graphic elements. Basic photographic techniques. Composition, balance, harmony and exposure will be discussed. Students will use Adobe Photoshop to create, modify and combine graphic elements for use in web sites, video and print, Offered: Fall. Course fee: \$100.

Illustration

2.00 Credits Class 1.00 Lab 3.00 Basics of illustration using Adobe Illustrator software to design and create graphics for use in web sites, video and print. Students will use essential Illustrator tools, including the pen and pencil, gradients and gradient meshes, brushes, styles, and layers. Offered: Fall. Course fee:

IM 120 Interactive Media I

3.00 Credits Class 2.00 Lab 3.00
Use of Macromedia Director software to create interactive media presentations. Students plan and execute programs combining digital photographs, digital audio, vector art and other elements into a unified whole. The completed presentation is mastered to CD-ROM. Offered: Winter. Course fee: \$100.

Interactive Media II

3.00 Credits Class 2.00 Lab 3.00 Use of Macromedia Director's scripting language, Lingo, to create advanced media presentations. Students combine media elements, including video, into an interactive program. Prerequisite: IM 120. Offered: Spring. Course fee: \$100.

220

Video Compositing

2.00 Credits Class 1.00 Lab 3.00 Use of Adobe AfterEffects software to create composite media incorporating still images, video, titles and audio. Students add elements to a timeline, using keyframes to control element position, size, rotation, transparency and other behavioral traits. Students then transfer the completed composition to videotape and to a non-linear video editing system. Offered: Winter. Course fee: \$100.

222

Dynamic Web Media

2.00 Credits Class 1.00 Lab 3.00
Use of Macromedia Flash to create animated media for the World Wide Web. Students combine graphic and audio elements and use Flash to control behavior. Completed animation is saved to disk in Flash format and incorporated into a web page. Offered: Winter. Course fee: \$100.

224

Interactive Media Distribution

2.00 Credits Class 1.00 Lab 3.00 Distribution of media programs via CD, DVD, and the World Wide Web. Students use Adobe Photoshop and Media 100 Cleaner to compress video, audio and still images for the desired medium. Bandwidth and hardware requirements and limitations are discussed and demonstrated. Offered: Winter. Course fee: \$100.

# Interpretive Services

INTP 100

Introduction to Interpretation

Class 0.00 2.00 Credits Lab 6.00 An orientation to the field of interpretation with field trips to interpretive facilities to observe professional interpreters. Offered: Fall. Course fee: \$20.

INTP 109

Night Interpretation

Class 1.00 2.00 Credits Lab 3.00 By participation and practice, students will learn techniques of planning and presenting night programs for a variety of audiences and settings. Offered: Fall.

INTP 114 Interpretive Employment Seminar

1.00 Credit Class 1.00 Lab 0.00

Offered: Winter.

INTP 115

Interpretive Methods

Class 2.00 3.00 Credits Lab 3.00

Principles and practices to prepare and conduct guided visitor activities including guided walks and illustrated programs. Professionalism and communication skills are included. Offered: Fall, Winter, Spring. Course fee: \$25.

**INTP 116** 

Interpretive Guide Seminar

1.00 Credit Class 1.00

Offered: Winter, Spring.

Interpretive Interaction Techniques

2.00 Credits Class 1.00

Covers effective interaction with the audience during a presentation. Non-verbal skills, talents, gimmicks and innovative techniques are used to build a repertoire for naturalists, tour guides, teachers, speakers or anyone who communicates. Prerequisite: INTP 115. Course fee: \$15.

**Environmental Education Techniques** 

4.00 Credits Lab 3.00 Class 3.00

Offered: Spring.

INTP 120 **Outdoor Programs** 

2.00 Credits Class 1.00 Lab 3.00

Development and preparation of interpretive programs using environmental and outdoor educational activities successful on formal school sites and non-formal learning centers including nature centers, parks and camps. Prerequisite: REC 115. Course fee: \$15.

INTP 210

Lab 0.00

Recreation Programming

2.00 Credits Class 2.00 Lab 1.00

Studies how to plan leisure time activities for the general public.

Responding to human needs, recognizing physical capabilities and limitations of individuals or groups and identifying appropriate activities for special populations is covered. Prerequisite: INTP 115. Offered: Fall.

INTP 215 Historical Interpretation Techniques

2.00 Credits Class 1.00 Lab 3.00

Studies the processes of historical interpretation which utilize third and first person techniques. This is a period research and characterization course and required each participant to develop a character which keeps with the period and assigned theme. The importance of research in revealing the people, lifestyles, mannerisms, dress, industry, education, medicine, politics and religion of the period is emphasized. Prerequisite: INTP 115. Offered: Fall. Course fee: \$60.

INTP 220

Historical Perspectives

Class 1.00 2.00 Credits Lab 3.00

Historical research as related to interpretive programming is covered with examination of the settlement and growth of the Hocking Valley through the use of archival materials, libraries, private collections and other resources. Prerequisite: INTP 215. Offered: Winter. Course fee:

INTP 225

Development and Design of Outdoor Study Sites
3.00 Credits Class 2.00 Lab 3.00

A survey of existing and potential outdoor education sites that evaluates areas for safety and identifies activities that best show the ecological concepts of the site. Prerequisite: INTP 210. Offered: Winter. Course fee: \$35.

INTP 230 Self-Guided Interpretive Activity

2.00 Credits Class 1.00 Lab 3.00 Self-guiding interpretive activities including signs and labels, trails, auto tours, tape recordings, and interpretive publications are discussed emphasizing design and layout of self-guiding systems as well as production of support media. Prerequisite: INTP 115. Offered: Winter, Spring. Course fee: \$15.

INTP 230 A Project Wild

1.00 Credit Class 1.00 Lab 0.00 An introduction to Project WILD outlining its financial support by the

American Forest Institute and its subsequent development by the Western Regional Environmental Education Council. The student earns a copy of the elementary guide which contains 81 wildlife-related activities. Course fee: \$5.

INTP 230 B

Project Learning Tree

Class 1.00 Lab 0.00 An introduction of Project Learning Tree by outlining its financial support by the American Forest Institute and its subsequent development by the Western Regional Environment Education Council. The student earns a copy of the elementary guide, which contains 89 forest-related activities. Course fee: \$5.

INTP 231

Nature Painting

1.00 Credit Class 0.00 Lab 3.00 Nature painting with emphasis on watercolor and acrylic painting. Course fee: \$65.

**INTP 240** 

Nature Center and Museum Operations

2.00 Credits Class 1.00 Lab 4.00 Practical, hands-on experience in nature center and museum operations planning and delivering of audiences. Prerequisite: INTP 215. Offered: Spring. Course fee: \$35.

INTP 250

Backpacking and Survival

3.00 Credits Class 2.00 Lab 3.00 Students are taught backpacking techniques, including selection of equipment, hiking skills, selection of food, cooking skills, camping techniques, wilderness travel and wilderness emergencies. Includes training in survival skills such as fire building, shelter construction, finding water and food and the construction of survival kits and tools. Course fee: \$115.

INTP 254 Nature Drawing I 1.00 Credit

Class 0.00

Lab 3.00

Techniques of illustration are presented with emphasis on pen and ink. A number of completed plates are required, which are critiqued and graded on a one-to-one basis with the student. Offered: Winter. Course fee: \$50.

INTP 258

Winter Camping and Survival

3.00 Credits Class 3.00

Lab 1.00

Covers skills for winter camping and recognizing survival situations, including information on clothing, equipment, survival kits and the psychology of survival. Course fee: \$25.

INTP 278

Nature Drawing II

Class 0.00 1.00 Credit Lab 3.00

Designed for the advanced student of graphic interpretation. Students learn to depict nature in motion, illustrate natural objects and species in the field and graphically depict nature in pen and ink from photographs and other two-dimensional media. Prerequisite: INTP 254. Course fee: \$50.

INTP 279

Nature Photography

1.00 Credit

Class 0.00 Lab 3.00

Covers the mechanics of 35 mm cameras, lenses, and related equipment for use in photographing nature. Techniques of color photography and composition are explored. Course fee: \$115.

INTP 290

Interpretive Services Special Topics

0.25-5.00 Credits Class 0.25-5.00 Lab 0.00

A structured exploration of a specific topic(s) by participants in a

Interpretive Services Cooperative Work Experience

6.00 Credits Class 2.00 Lab 40.00

An on- or off-campus paid work experience coordinated by a faculty member with at least one on-site visit during the quarter. Each student must be enrolled in an on-campus seminar. One credit is awarded for a minimum of ten clock hours of work experience scheduled during a standard work week.

INTP 296

Interpretive Services Practicum

2.00-7.00 Credits Class 1.00

Lab 7.00 The student is placed in a work environment for a minimum amount of

time to gain experience before graduation.

INTP 298

Interpretive Services Internship

6.00-9.00 Credits Class 3.00 Lab 20.00-40.00

On-the-job training in the workplace of a cooperating agency.

Coordinated by an instructor.

# **Industrial Systems Engineering**

ISE 107

Manufacturing I

3.00 Credits Class 3.00

Lab 2.00 Introduction to industrial materials and their properties and how these

properties relate to product design, Offered: Winter. Course fee: \$45.

ISF 108

Manufacturing II

3.00 Credits

Class 3.00

Lab 2.00

Nonferrous materials, nonmetallic materials, material selection, casting and deformation processing. Offered: Spring. Course fee: \$30.

ISE 109

Manufacturing III

3.00 Credits

Lab 4.00 Class 2.00

Processes that reshape existing material in the solid state and assembly procedures. Offered: Fall. Course fee: \$40.

ISE 115

Environmental and Safety Fundamentals

Lab 0.00 Class 3.00

Standard safety practices for use in the laboratory and industry. Requirements for the safe handling, storage and proper disposal procedures for chemical and hazardous materials. The legal aspects of OSHA and EPA requirements as they affect employees and employers. Offered: Fall. Course fee: \$5.

130

AC Power Systems

3.00 Credits Class 3.00 Lab 2.00

Offered: Winter.

201

Occupational Safety

3.00 Credits Class 3.00 Lab 0.00 Ohio safety codes and accepted safety practices and procedures pertaining to employees and employers. Workman's compensation, safety design, inspection, personal protective equipment, safety analysis and responsibility. Offered: Fall. Course fee: \$5.

ISE 210 Control Systems I

3.00 Credits Class 3.00 Lab 2.00 Basic theory and instrument function, measurement and response limitations, calibration of instruments and an analysis of industrial process instrumentation and operations. Pneumatic, hydraulic, electrical, electronic, electromechanical and other combinations of instruments are used. Prerequisite: MATH 110. Offered: Winter. Course

ISE 213 Control Systems II

3.00 Credits Class 3.00 Lab 2.00

3.00 Credits Class 3.00 Lab 2.00
Digital and analog controllers, off/on, proportional, proportional-reset and proportional-reset-rate. Feedback control systems are studied along with methods for finding the actual value of parameter to be set on the controller for best control. Computer operations are studied (MS-DOS and BASIC) as they apply to supervisory and direct digital control. Prerequisite: MATH 111. Offered: Spring, Course fee: \$60.

## IIIV Juvenile Services

JUV 100

Juvenile Residential Services

3.00 Credits Class 2.00 Lab 4.00

Operation and programming of juvenile institutional and community based residential facilities. Includes a review of the history, function, social purposes, programs and their effectiveness. Offered: Fall. Course fee: \$20.

JUV 101

Family Dynamics

3.00 Credits Class 3.00 Lab 2.00

Family interaction and functioning in response to external and internal pressures. Includes a review of symptoms of family dysfunction that come to the attention of authoritative agencies and official responses to those problems. Offered: Fall

JUV 102

Juvenile Delinquency 3.00 Credits

Class 3.00 Lab 0.00 History, nature and extent of juvenile delinquency. Theories of causation are reviewed in the study of past and current prevention,

control and treatment methods. Offered: Fall.

JUV 105 Child Abuse

3.00 Credits Class 3.00 Lab 2.00

Dynamics related to child abuse, neglect and abandonment. Includes an overview of the extent of abuse and related dynamics. The influence of abuse on current and future behavior along with its impact on personality development is also explored. Prerequisite: JUV 102. Offered: Winter.

IIIV 110

Adolescent Cognitive Behavior

3.00 Credits Class 3.00 Lab 0.00

Dysfunctional cognitive and behavioral patterns of adolescents that bring them into contact with the juvenile justice system. Assessment techniques that identify these thinking errors are presented with discussion of intervention methods to assist the youth in modifying their thinking and behavior. Offered: Spring. Course fee: \$5.

JUV 111

Juvenile Sexual Offender

Class 3.00 3.00 Credits

Lab 0.00

Study of the juvenile offender who has been involved with sexually acting out sexual abuse or sexual assault. Causes and results of such behavior will be compared with current treatment interventions. Prerequisite: JUV 110. Offered: Spring. Course fee: \$5.

## LANG Languages

LANG 110 Spanish

5.00 Credits Class 5.00 Lab 0.00

An introductory Spanish course designed for study abroad students emphasizing basic language patterns in order to give and receive information in different settings. Offered: Winter

**LANG 120** 

Beginning Spanish 3.00 Credits Lab 1.00 Class 3.00 Designed for the student with little or no background in Spanish. Includes basic language patterns in order to give and receive information in different contexts. Lessons are organized to reflect the needs of travel professionals.

LANG 121

PACE

Intermediate Spanish 3.00 Credits

Class 3.00 Lab 1.00

Vocabulary, intonation and the convention of the Spanish language. Emphasizes is on oral/aural skills, rudimentary writing and reading materials tailored to the needs of the Travel and Tourism student are introduced. Prerequisite: LANG 120.

LANG 290

Languages Special Topics 1.00–5.00 Credits Class Class 1.00-5.00 Lab 0.00

Structured exploration of a specific topic(s) by participants in a group.

Languages Individual Study

1.00-5.00 Credits Class 1.00-5.00 Lab 0.00

Individual study or research. Topics are arranged on an individual basis with instructor permission.

# MA

# Medical Assistant

MA 100 Basic Clinical Assisting Procedures

5.00 Credits Class 4.00 Lab 3.00 Fundamental clinical assisting procedures in the family practice medical office. Emphasizes procedures employed in the general patient examination including medical asepsis, vital signs, positioning and draping, measuring height and weight, obtaining patient symptoms, charting, health history, patient preparation for and assisting with the physical examination, distance and near visual acuity testing, color vision testing, eye and ear instillations and irrigations and obtaining specimens for laboratory analysis. Offered: Fall. Course fee: \$55.

MA 102 Medical Office Procedures I

2.00 Credits Class 2.00 Lab 2.00

Administrative or office duties of a medical assistant in a physician's office. Includes answering, screening and placing telephone calls; scheduling patient appointments and hospital admissions; handling patient information brochures; purchasing equipment and supplies, paying invoices, inventory control, storing supplies and drugs and equipment maintenance; establishing priorities for work and office procedures manual. Offered: Fall. Course fee: \$20.

MA

MA 110
Family Practice Clinical Assisting Procedures
4.00 Credits Class 3.00 Lab 3.00
Intermediate level clinical procedures in the family practice medical office. Emphasizes tissue healing and surgical sepsis including the application of heat and cold, bandaging, cast application and removal, crutch walking, sterilization and disinfection, minor office surgery and urinalysis. Prerequisite: MA 100. Offered: Spring. Course fee: \$55.

MA 112 Medical Law and Ethics

3.00 Credits Class 3.00 Lab 0.00

Medical ethics and law in the medical office setting. Analyzes medical office situations to determine ethical and legal status. Includes a history of medicine, the Medical Practice Acts, the physician-patient relationship, confidentiality, implied, verbal and written consent, malpractice, creating and terminating a contract and professional law

liability. Identifies reports required by law and emphasizes professionalism in the medical office. Offered: Winter.

**Nutrition for Medical Assistants** 

4.00 Credits Class 4.00 Lab 1.00 Introduction to the science of nutrition. Prepares medical assistants in the application of nutritional concepts to patient care. Emphasizes the function, food sources and dietary deficiencies of nutrients. Includes the process of digestion; menu planning for childhood and adolescence, the elderly and the pregnant patient; food poisoning, food preservation and additives; dental care; modified diet therapy for diabetes mellitus and cardiovascular and gastrointestinal disorders. Offered: Winter.

Medical Transcription 3.00 Credits

Class 2.00 Lab 4.00

Transcribing medical reports from cassette transcribers. Emphasizes spelling, punctuation, grammar and proofreading. Patient histories, physical examinations, progress notes, discharge summaries, x-ray reports and letters are transcribed by the student. Prerequisites: HLTH 101 and OAT 180. Offered: Winter. Course fee: \$37.

MA 120 OB, GYN, Pediatric Clinical Assisting Procedures 4.00 Credits Class 3.00 Lab 3.00

Presentation of theory and techniques required by the medical assistant to perform gynecologic, obstetric and pediatric examining room techniques. Includes the menstrual cycle and gynecologic examination, instructing the patient in methods of birth control, signs and symptoms of pregnancy, the prenatal examination, problems of pregnancy, growth and development of the embryo and fetus, labor and delivery, care of the newborn, and the pediatric examination. Prerequisite: MA 110. Offered: Winter. Course fee: \$55.

Medical Office Procedures II

2.00 Credits Class 2.00 Lab 2.00 2.00 Credits Class 2.00 Lab 2.00
Filing systems, procedures, equipment and supplies, retention schedules, patient records, types of health insurance coverage, initiating and updating records, insurance terminology, handling insurance claims, coding for professional services, provisions of Blue Cross, Blue Shield, Medicare, Medicaid, CHAMPUS and Workman's Compensation and typing insurance forms. Prerequisites: OAT 100 and MA 102. Offered: Winter. Course fee: \$20.

MA 200

MA 200
Advanced Clinical Assisting Procedures
5.00 Credits Class 4.00 Lab 3.00
Procedures employed in administering patient therapy and diagnostic testing, administration of medications, performing venipuncture, running electrocardiograms, administering ultrasound treatments, excipting with signoidoscopy and natient preparation and positioning assisting with sigmoidoscopy and patient preparation and positioning for x-rays. Offered: Fall. Course fee: \$55.

202

MA 202
Basic Pharmacology for Medical Assistants
4.00 Credits Class 4.00 Lab 0.00
Pharmacology principles relating to the medical office. Emphasizes correlation of drug therapy with pathologic conditions, patient education regarding medications and obtaining competency in researching drugs in a drug reference. The use, action, side effects, inclinations controllictions and route of drugs commonly. implications, contradictions and route of drugs commonly administered, dispensed and prescribed in the medical office including antihistamines, immunizing agents, antibiotics, cardiovascular drugs, digestive drugs and drugs affecting the urinary, nervous and respiratory systems. Offered: Fall.

MA 203 Medical Assistant Externship I

Class 0.00 4.00 Credits Lab 13.00 Directed practicum in a medical office, clinic or comprehensive health care facility where the student spends two days each week performing administrative and clinical skills under the supervision of a preceptor. A weekly externship seminar is included to discuss experiences. Prerequisites: MA 102, MA 112, MA 122, MA 120, MA 223, MA 110. Offered: Fall. Course fee: \$25.

MA 204 Medical Assistant Externship II

4.00 Credits Class 0.00 Lab 13.00 Continuation of MA 203. Prerequisite: MA 203. Offered: Winter. Course

fee: \$25.

MA 205 Medical Assistant Externship III

4.00 Credits Class 0.00 Lab 13.00 Directed practicum in a medical office, clinic, or comprehensive health

care facility to provide direct patient contact; apply clinical and administrative theory to practical situations; perform clinical and administrative procedures in a medical office; and gain insight into the medical assistant role in the health care team. Two days each week are spent in a general or specialty practice office performing administrative and clinical skills under the supervision of a preceptor. Prerequisite: MA 204. Offered: Spring. Course fee: \$25.

Medical Laboratory Procedures 6.00 Credits Class 5.00

Class 5.00 Lab 3.00 Theory and techniques required to perform laboratory tests in the medical office. Emphasizes patient preparation, completion of laboratory forms, collection of specimens for testing in the medical laboratory forms, collection of specimens for testing in the medical office or for transporting to an outside laboratory, performing laboratory tests and reporting results, identifying abnormal results, quality control and laboratory safety. Clinical procedures include venipuncture, obtaining a capillary blood specimen, blood banking, hematologic laboratory tests, blood chemistry tests, microbiologic laboratory tests and urinalysis. Prerequisite: MA 200. Offered: Spring. Course fee: \$55.

MA 221
Medical Management Computerization
Class 3.00
Credits
Class 3.00 Lab 3.00 4.00 Credits Class 3.00 Lab 3.00
Computer concepts and applications for the medical office. Emphasizes utilization of microcomputers in the medical office including the data processing cycle, components of the computer system, selection of hardware and software, secondary storage devices, the disk operating system (DOS) and medical office management applications. Offered: Winter. Course fee: \$55.

Medical Procedures III 4.00 Credits Class 3.00 Lab 3.00

Financial and business records in a physician's office. Methods of billing, extending credit, installment payments, collection methods and problems, laws pertaining to credit and collection, banking terminology and services, checking accounts, accounting systems, daily service records, combined cash journals, patients' and general ledgers, disbursement records, petty cash records, financial statements, payroll taxes and deductions, tax returns, employee earning records and payroll registers are covered. Prerequisite: MA 122. Offered: Winter. Course fee: \$40.

MA 223 Computer Applications in Medical Assisting Class 1.00 Lab 3.00

Medical office computer applications. Functions performed by medical office management application programs which include file maintenance, patient registration, posting transactions, appointments, patient billing, insurance billing and reports. Offered: Spring. Course fee: \$55.

MA 224
Advanced Pharmacology for Medical Assistants
2 00 Credits Class 3.00 Lab Lab 0.00 Advanced principles of pharmacology relating to the medical office. Emphasis is placed on the correlation of drug therapy with pathologic conditions, patient education regarding medications and obtaining competency in researching drugs in a drug reference. Documentation of drug administration and assessment for side effects/benefits of drugs is thoroughly discussed. Use, action, side effects, implications of medications that are dispensed and prescribed in the medical office including digestive drugs and drugs affecting the urinary, nervous, endocrine and respiratory systems. Drugs that are used to control pain are presented with special emphasis on the medical assistants responsibilities when administering and/or working with controlled substances. Offered: Winter.

MA 225 Case Studies in Medical Assisting

Class 3.00 Lab 0.00 Integration of all components of the Medical Assistant curriculum. Through simulated case studies, the student demonstrates competency in knowledge and skills required for entry level employment in a medical office or clinic. Assists the student in preparation for the Certification Examination for Medical Assistants. Offered: Spring.

Principles and Techniques of Electrocardiography Lab 2.00 1.00 Credit Class 0.00

Theory and techniques of electrocardiography including patient preparation and the running, care and maintenance of the ECG. Course

MA 290

Medical Assistant Special Topics

1.00-5.00 Credits Class 1.00-5.00 Lab 0.00 Structured exploration of a specific topic(s) by participants in a group.

MA 291
Medical Assistant Individual Study
1.00–5.00 Credits Class 1.00–5.00 Lab 0.00
Individual study or research. Topics are arranged on an individual basis

with instructor permission.

MA 292

Medical Assistant Field Experience 1.00-4.00 Credits Class 0.00 Lab 12.00-48.00 On-the-job training in a medical assistance facility through special arrangement with an instructor. Course fee: \$25.

MA 293 Medical Assistant Directed Practice

2.00-8.00 Credits Class 1.00 Lab 5.00-35.00 Directed practice instruction in the performance of a particular function from an assigned instructor, and then observed and critiqued by the instructor in a repeat performance of that function. Course fee: \$25.

MA 294

Medical Assistant Cooperative Work Experience 2.00-5.00 Credits Class 1.00 Lab 10.00-40.00 An on- or off-campus paid work experience coordinated by a faculty member with at least one on-site visit during the quarter. Each student must be enrolled in an on-campus seminar. One credit is awarded for a minimum of ten clock hours of work experience scheduled during a standard work week. Course fee: \$25.

MA 296 Medical Assistant Practicum

2.00-7.00 Credits Class 1.00 Lab 7.00-42.00 The student is placed in a work environment for a minimum amount of time to gain experience before graduation. Course fee: \$25.

MA

Medical Assistant Observation Hour

1.00-3.00 Credits Class 0.00 Lab 15.00-45.00 Participation in an educational experience as observers of practitioners representative of the occupational area. The student may participate at times in the actual work activity.

298

Medical Assistant Internship

3.00–9.00 Credits Class 0.00–3.00 Lab 20.00–40. On the job training in the work place of a cooperating agency. Lab 20.00-40.00 Coordinated by an instructor. Course fee: \$25.

#### MATH Mathematics

**MATH 101** 

**Basic Mathematics** 

3.00 Credits Class 3.00 Lab 1.00 Whole number operations, fractions and decimals are covered. Applications of these topics and order of operation is emphasized. Offered: Fall. Course fee: \$16.

**MATH 102** 

Pre-Algebra

3.00 Credits Class 3.00 Lab 1.00 Metric and English systems of measurement, percents, operations on signed numbers and evaluating expressions containing powers and/or

roots are covered. Applications of the topics is emphasized. Prerequisite: MATH 101. Offered: Fall. Course fee: \$16.

**MATH 104** 

Pharmacology Math 1.00 Credit

Class 1.00 Lab 1.00

Computational skills necessary to safely administer medications. Includes temperature conversions. Prerequisite: MATH 102. Offered: Summer, Fall, Winter, Spring. Course fee: \$10.

**MATH 108** 

PACE

Introduction to Algebra

3.00 Credits Class 3.00 Lab 1.00 Measurement systems, measurement quality, unit analysis, algebraic operations, simple equations and formulas, ratio and proportion, the Cartesian coordinate system, graphing linear equations, writing equations of straight lines, functions, interpolation, and the mathematical construction and use of table, charts, and graphs. Applications from various technical fields are included. Prerequisite: MATH 102. Offered: Summer, Fall, Winter, Spring. Course fee: \$16.

MATH 108 B

Introduction to Algebra for Business

3.00 Credits Class 3.00 Lab 1.00

Measurement systems, measurement quality, unit analysis, algebraic operations, simple equations and formulas, ratio and proportion, the Cartesian coordinate system, graphing linear equations, writing equations of straight lines, functions, interpolation, and the mathematical construction and use of tables, charts, and graphs. Applications from business are included. Prerequisite: MATH 102. Offered: Fall, Winter, Spring. Course fee: \$16.

MATH 108 E

Introduction to Algebra for Engineering

Class 3.00 3.00 Credits Lab 1.00 Measurement systems, measurement quality, unit analysis, algebraic operations, simple equations and formulas, ratio and proportion, the Cartesian coordinate systems, graphing linear equations, writing equations of straight lines, functions, interpolation, and the mathematical construction and use of tables, charts, and graphs. Applications from engineering are included. Prerequisite: MATH 102. Offered: Fall. Course fee: \$16.

**MATH 108 H** 

Introduction to Algebra for Health 3.00 Credits Class 3.00

Lab 1.00 Measurement systems, measurement quality, unit analysis, algebraic operations, simple equations and formulas, ratio and proportion, the operations, simple equations and formulas, ratio and proportion, the Cartesian coordinate system, graphing linear equations, writing equations of straight lines, functions, interpolation, and the mathematical construction and use of tables, charts, and graphs. Applications from nursing and health including medication dosage calculations are included. Prerequisite: MATH 102. Offered: Summer, Fall, Winter, Spring. Course fee: \$16.

MATH 108 N

Introduction to Algebra for Natural Resources 3.00 Credits Class 3.00 Lab

Lab 1.00

Measurement systems, measurement quality, unit analysis, algebraic operations, simple equations and formulas, ratio and proportion, the Cartesian coordinate system, graphing linear equations, writing equations of straight lines, functions, interpolation, and the mathematical construction and use of table, charts, and graphs. Applications from natural resources are included. Prerequisite: MATH 102. Offered: Fall, Winter, Spring. Course fee: \$16.

MATH 109 Business Math

4.00 Credits Class 4.00 Lab 0.00 An algebraic approach to solving applied business mathematics problems. Topics include basic statistics, interest, taxes, depreciation, annuities, investments and other business applications. Prerequisite: MATH 108. Offered: Fall, Spring. Course fee: \$16.

**MATH 110** PACE

Geometry and Trigonometry

Class 3.00 3.00 Credits Lab 1.00

Plane and solid geometry, right triangle trigonometry, Laws of Sine and Cosine and basic statistics. Word problems will be emphasized. Prerequisite: MATH 108. Offered: Summer, Fall, Winter, Spring. Course fee: \$16.

**MATH 111** 

PACE

Intermediate Algebra

Class 3.00 Lab 1.00

Basic manipulations and operations involving algebraic terms, factoring and removal of monomial factors, algebraic fractions and equations involving fractions, exponents (zero, negative and fractional) and radicals are covered. Word problems are emphasized. Prerequisite: MATH 108. Offered: Summer, Fall, Winter, Spring. Course fee: \$16.

**MATH 112** 

PACE

Advanced Algebra

3.00 Credits Class 3.00 Lab 1.00

Solving quadratic equations (by using either the quadratic formula or factoring); both natural and common logarithms; solving equations by graphing; solving simultaneous equations using graphing, substitution, addition/subtraction, or determinates; and the manipulation of vectors and their sums are covered. Word problems are emphasized. Prerequisites: MATH 110 and MATH 111. Offered: Summer, Fall, Winter, Spring. Course fee: \$16.

**MATH 113** 

Comprehensive College Algebra 5.00 Credits Class 5.00

S.00 Credits

Class 5.00

Lab 0.00

Review of high school algebra including linear and quadratic equations and inequalities, factoring, operations on algebraic fractions, radicals and exponents, simultaneous linear equations and simple graphing techniques. Prerequisite: Placement. Offered: Fall, Winter. Course fee:

Lab 0.00

MATH 115 Pre-Calculus

5.00 Credits Class 5.00 Lab 0.00

Solution Class 5.00 Lab 0.00 Selected topics from algebra, geometry, trigonometry, and statistics. The Math 113/115 sequence is designed to allow students with two or more years of high school algebra to complete the equivalent of the MATH 108, 110, 111, 112 sequence in two quarters rather than four. Prerequisite: MATH 113. Offered: Fall. Course fee: \$16.

MATH 150 Food Service Math 2.00 Credits

Class 2.00 Lab 1.00 Basic arithmetic operations, including the application of basic math operations to food service problems such as recipes, portioning and daily report completion are covered. Offered: Winter. Course fee: \$16.

MATH 163 A Calculus

4.00 Credits Lab 0.00 Class 4.00 Limits and continuity, differentiation, rates of change, differentiation techniques, higher order derivatives, maximum/minimum problems, implicit differentiation, exponential and logarithmic functions, the antiderivative, the definite integral and various application problems are covered. Prerequisites: MATH 112 and MATH 115. Offered: Fall, Spring. Course fee: \$16.

MATH 174
Math for Automotive
Class 3.00 Lab 0.00 Math and algebra formulas, expressions and equations to solve the

technical problems found in the automotive industry. Includes percentages, ratio and proportions, powers and roots, English/metric measurements and conversions as well as graphs and charts. Offered: Winter. Course fee: \$16.

MATH 290

Mathematics Special Topics

1.00-5.00 Credits Class 1.00-5.00 Structured exploration of a specific topic(s) by participants in a group. Course fee: \$16.

**MATH 291** PACE

Mathematics Individual Study

1.00-5.00 Credits Class 1.00-5.00 Lab 0.00

Individual study or research. Topics are arranged on an individual basis with instructor permission. Offered: Summer, Fall, Winter, Spring. Course fee: \$16.

MATL

# Materials and Manufacturing

Properties of Materials

3.00 Credits Class 3..00 Lab 2.00

Structure and properties of materials, such as basic atomic, molecular, crystalline and amorphous structures for ceramics, metals and polymers. Methods of evaluating structures and properties of materials are demonstrated. Offered: Fall. Course fee: \$60.

MATL 102

Steel and Mechanical Properties

3.00 Credits Class 3.00 Lab 2.00 Principles of metallurgy including the effects of plastic deformation

and microstructure on steel properties. The iron-iron carbide equilibrium diagram is studied to relate heat treating and alloying effects that produce specific mechanical properties. Offered: Winter. Course fee: \$60.

MATL 103

Material Properties of Polymers

3.00 Credits Class 3.00 Lab 2.00

Thermoplastics and thermosetting polymers and methods used in manufacturing are covered. Methods of testing plastics materials are covered in the lab. Offered: Winter. Course fee: \$60.

MATL 110 Nonferrous Metals

3.00 Credits Class 3.00 Lab 2.00

Nonferrous metals and alloys, including fabricating metals from ores, altering mecdoncial and chemical properties, and alloying techniques. Prerequisite: MATL 102. Offered: Spring. Course fee: \$60.

**Processing Polymers** 

3.00 Credits Class 3.00 Lab 2.00

Properties of thermoplastic and thermoset resins. Applications of these resins are studied through molding, casting, thermo-forming, coating, fabrication, welding and gluing. Prerequisite: MATL 103. Offered: Spring. Courses fee: \$60.

MATL 200

Microscopy Analysis of Materials

3.00 Credits Class 2.00 Lab 4.00

Characterization of materials with optical and electron microscopes. Laboratory activities include mount preparation and microstructure analysis of metallic samples. Prerequisites: MATL 102 and CHEM 100. Offered: Winter. Course fee: \$60.

Composite Compositions

3.00 Credits Class 3.00 Lab 2.00

Composite materials and the processing necessary to obtain design properties. Are studied and compatibility of materials and production processes are evaluated for technical and economic feasibility. Prerequisites: MATL 111 and CHEM 102. Offered: Winter. Course fee:

MATL 206 Extrusion

3.00 Credits Class 2.00 Lab 3.00

Extrusion processes are covered in-depth. Topics include principles of extrusion, types of extruded products, types of extruders, co-extruders, co-extrusion, heating/cooling cycles, dies, barrel temperature control, and pressure and flow rate control. Prerequisite: MATL 111. Course fee:

MATL 207 Thermosets

3.00 Credits Class 3.00 Lab 2.00

An in-depth study of thermosetting plastics, their properties and applications. Specific topics covered are compression molding, transfer molding and reaction injection molding. Prerequisite: MATL 111. Course fee: \$60.

MATL 210
Material Processing Systems
Class 3.00
Cradits
Class 3.00 Lab 2.00

optimize properties of materials are covered. Topics include heat, pressure atmosphere and chemical requirements to produce advanced materials. Prerequisites: MATL 110 and MATL 111. Course fee: \$60.

MATL 222

Injection Molding 4.00 Credits

Class 3.00 Lab 3.00-6.00 Introduction to injection molding with emphasis on operation, mold set-up, pneumatic and hydraulic control parameters. Factors affecting quality are studied during the manufacturing of production parts. Prerequisite: MATL 111. Offered: Spring. Course fee: \$60.

MATL 290

Materials Special Topics

1.00-5.00 Credits Class 1.00-5.00 Lab 0.00

Structured exploration of a specific topic(s) by participants in a group.

MATL 291

Materials Individual Study

Class 1.00-5.00 1.00-5.00 Credits Lab 0.00

Individual study or research. Topics are arranged on an individual basis with instructor permission.

MATL 292

Materials Field Experience

1.00-4.00 Credits Class 0.00 Lab 12.00-48.00 On-the-job training in a materials facility through special arrangement with an instructor.

MATL 294

Materials Cooperative Work Experience

2.00-5.00 Credits Class 1.00 Lab 10.00-40.00 An on- or off-campus paid work experience coordinated by a faculty member with at least one on-site visit during the quarter. Each student must also be enrolled in an on-campus seminar. One credit is awarded for a minimum of ten clock hours of work experience scheduled during a standard work week. Prerequisites: COMM 122, MATH 108, CHEM

MATL 296

Materials Practicum

2.00 Credits Class 1.00 Lab 7.00

The student is placed in a work environment for a minimum amount of time to gain experience before graduation. Offered: Spring.

MATL 297

Materials Observation Hour

Class 0.00 1.00-3.00 Credits Lab 15.00-45.00 Participation in an educational experience as observers of practitioners representative of the occupational area. The student may participate at times in the actual work activity.

MATL 298

Materials Internship

Class 0.00-3.00 3.00-9.00 Credits Lab 20.00-40.00 On-the-job training in the workplace of a cooperating agency. Coordinated by an instructor. Prerequisites: COMM 122, MATH 108, CHEM 100.

#### MCS

## Marketing and Customer Service

MCS 150

Distribution Management 3.00 Credits

Class 3.00 Lab 0.00

Survey of distribution channels commonly found in the delivery of products and services. Actual catalog fulfillment is studied as well as a discussion of how the marketing campaign interacts and supports the distribution effort. Offered: Spring.

## MICR Microbiology

MICR 247 Microbiology 4.00 Credits

Class 4.00 Lab 1.00

How microorganisms live in the world around us and our relationship to them. Systematically covers bacteriology, immunology, mycology, viruses and parasites. Offered: Spring. Course fee: \$15.

## MICS Microcomputer

MICS 101 Basic Computer Skills

Class 1.00 1.00 Credit Lab 1.00

This course provides the student with a basic understanding of the operation of a microcomputer with hands-on use of popular computer applications in word processing, spreadsheets, email and world wide web browsing. Course fee: \$45.

MICS 110

Introduction to Visual Basic

2.00 Credits Class 2.00 Lab 2.00

Object oriented programming language used to write Windows-based programs. Visual Basic has a user interface called integrated development environment (IDE) which includes all the tools necessary to create and test a program. Includes writing organized statements and testing the program while remaining inside the same IDE. Offered: Winter. Course fee: \$35.

MICS 112

Introduction to DOS

1.00 Credit Class 1.00 Lab 1.00 Introduction to IBM compatible machines using the disk operating system (DOS). Use of internal and external operating system commands to create, manage and manipulate files. Offered: Winter. Course fee: \$25.

MICS 115

PC Operating Systems

2.00 Credits Class 1.00 Lab 3.00 Examines the basic commands and features of PC operating systems including Windows, DOS and Linux. Offered: Fall. Course fee: \$30.

MICS 121 Microsoft Office

3.00 Credits Class 2.00 Lab 3.00

Introduces the integrated software package, Microsoft Office. Students design and manipulate files to apply the major functions of the word processing, database, and spreadsheet modules of this package. Offered: Summer, Fall, Winter, Spring. Course fee: \$45.

MICS 121 A Microsoft Office - Word Processing

1.00 Credit Class 1.00 Lab 1.00

A hands-on course which presents the word processing component and lab assignments using the software package Microsoft Office. Offered: Fall, Winter, Spring. Course fee: \$15.

MICS 121 B

Microsoft Office - Database

1.00 Credit Class 1.00

Lab 1.00

A hands-on course which presents the data base component and lab assignments using the software package Microsoft Office. Offered: Winter, Spring. Course fee: \$15.

MICS 121 C Microsoft Office - Spreadsheet

1.00 Credit Class 1.00 Lab 1.00

A hands-on course which presents the spreadsheet component of and lab assignments using the software package Microsoft Office. Offered: Fall, Spring. Course fee: \$15.

MICS 141

Introduction to Excel

Class 1.00 Introduces the spreadsheet software Microsoft Office Excel including creating and modifying spreadsheets and charts, as well as using the database capabilities. Students design and manipulate multiple spreadsheet and database files to apply the major functions of Excel. Offered: Winter. Course fee: \$30.

MICS 142

Introduction to Access

Class 1.00 Lab 1.00

Introduces the database management software, Microsoft Office Access including creating and modifying database tables, queries, reports, and forms. Students design and manipulate multiple databases to apply the major functions of Access. Offered: Fall, Winter, Spring. Course fee: \$3Ó.

MICS 144

Introduction to Word

Class 1.00 Lab 1.00 Introduces the word processing software, Microsoft Office Word including creating and editing documents, spell checking, formatting pages, merging documents, using columns, and working with graphics. Students design and manipulate multiple word processing documents to apply the major functions of Word. Offered: Fall, Winter, Spring. Course fee: \$30.

MICS 145

Introduction to Windows

1.00 Credit Class 1.00 Lab 0.00 Introduces the basics of a Windows xx environment including how to: 1) open, close, and switch among applications, 2) copy information from one application to another, 3) use the WordPad and the Paint programs to develop save, and print documents and drawings, 4) use the Windows Explorer to manage disk files. Students develop the skills necessary to work successfully in a Windows xx environment. Course fee: \$30.

MICS 152

Advanced Access

2.00 Credits Class 2.00 Lab 2.00

Presents the advanced features of the database management software, Microsoft Office Access including advanced topics on maintaining the database, query and form design, creating macros, and SQL. Students design and manipulate databases to apply the advanced functions of Access. Prerequisite: MICS 142. Offered: Winter, Spring. Course fee: \$30.

MICS 201

Desktop Publishing

2.00 Credits Class 2.00 Lab 2.00

Computer aided page layout and publishing for writing, assembling and designing publications such as business reports, newsletters, trade journals and brochures, by combining text and graphics. Introduces the student to desktop publishing terms and techniques and use of a popular desktop publishing software package in order to create various types of publications. Offered: Winter. Course fee: \$30.

MICS 210

Microsoft Publisher

1.00 Credit Class 1.00 Lab 1.00

Course fee: \$10.

**MICS 280** 

Software Applications for Desktop Computers

0.25-3.00 Credits Class 0.25-2.00 Lab 0.25-3.00 Hands-on training introducing current popular microcomputer software applications. Participants design and manipulate files to apply the major components of designated microcomputer packages, languages and/or operating systems. Course fee: \$30.

MICS 290

Microcomputer Special Topics

1.00-5.00 Credits Class 1.00-5.00 Lab 0.00

Structured exploration of a specific topic(s) by participants in a group.

Microcomputer Individual Study

1.00-5.00 Credits Class 1.00-5.00 Lab 0.00

Individual study or research. Topics are arranged on an individual basis with instructor permission.

# Massage Therapy

Swedish Massage I 3.00 Credits

Class 2.00 Lab 3.00

History of massage, principles of hygiene, professional ethics, Ohio scope of practice, anatomical landmarks and Kellogg's chapters on "The Physiological Effects of Massage" and "Rules Relating to Massage". Lab covers basic palpation and begins Kellogg's "Massage of Special Regions". Prerequisite: Certificate of Preliminary Education from the Ohio Medical Board. Offered: Fall. Course fee: \$70.

Swedish Massage II

3.00 Credits Class 2.00 Lab 3.00 Kellogg's chapters on "The Procedures of Massage" and "Special Methods of Zabludowski and Metzger" and a continuation of "Massage of Special Regions" in the lab setting. Prerequisite: MT 110. Offered: Winter. Course fee: \$70.

MT 130 Swedish Massage III

3.00 Credits Class 2.00 Lab 3.00

Kellogg's chapters on "The Therapeutic Applications of Massage", "The Rest Cure" and other pertinent concepts discussed by the author. Lab continues with Kellogg's chapter on "Massage of Special Regions" and "Special Methods of Zabludowski and Metzger". Prerequisite: MT 120. Offered: Spring. Course fee: \$70.

MT 135 Myology for Massage Therapists 3.00 Credits Class 2.00 Class 2.00 Lab 2.00

Attachments, actions and innervations of the muscles most pertinent to massage therapists including palpation, observation, drawing and muscle testing. Prerequisites: MT 120 and BIOS 152. Offered: Spring. Course fee: \$40.

MT 210

Massage Techniques I

Class 2.00 3.00 Credits Lab 3.00 Review of essential concepts from Kellogg's treatise on massage. Theory and practice of deep tissue massage techniques and trigger point therapy. Prerequisite: MT 130. Offered: Summer. Course fee: \$70.

220

Massage Techniques II 3.00 Credits

Class 2.00

Lab 3.00

Review of essential concepts from Kellogg. Theory and practice of myofascial release work and PIMR stretches. Prerequisite: MT 210. Offered: Fall. Course fee: \$70.

MT 230 Massage Techniques III

Lab 3.00 Class 2.00 3.00 Credits

Integration of all previously learned techniques and application of them to regional anatomy as well as to specific conditions. Prerequisite: MT 220. Offered: Winter. Course fee: \$70.

240

Massage Integration Seminar

4.00 Credits Class 4.00 Lab 0.00 Swedish massage particularly as it relates to human anatomy and physiology throughout the different levels of organization and across

the various systems of the body. Prerequisites: HC 278, MT 220, EM 133, EM 134. Offered: Winter.

250 Massage Clinical

2.00 Credits Class 1.00 Lab 3.00

Clinical performance of 30 one hour massage sessions under the guidance of the instructor. Prerequisite: HC 182, HC 278, HC 283, MT 220. Offered: Winter. Course fee: \$70.

## NET **Network Systems**

Internet and Web Page Design

Class 1.00 1.00 Credit Lab 1.00 Introduces the Internet including Web browsers, e-mail, file transfers, and search engines. Hypertext Markup Language (HTML) is used to develop basic web pages. Offered: Winter, Spring. Course fee: \$30.

Cisco I

4.00 Credits Class 3.00 Lab 3.00 Introduces networking fundamentals, including the OSI model and industry standards, network topologies, IP addressing, networking components and basic network design. Prerequisite: CS 200. Offered: Spring. Course fee: \$50.

120

Computer Architecture and Hardware

2.00 Credits Class 1.00 Lab 3.00

Examines the architecture of mainframe and personal computers (PCs), including hardware components of a PC and how they interact. Installing, configuring, and troubleshooting PC hardware and software are covered. Offered: Spring. Course fee: \$30.

NET 200

Advanced Web Page Design 3.00 Credits Class 2 Class 2.00 Lab 4.00

Advanced HTML, effective web page design, and programming techniques for web pages. Prerequisite: NET 100. Offered: Fall. Course fee: \$30.

NET 210 Cisco II

3.00 Credits

Class 2.00 Lab 5.00

Introduces routing theory and router technologies including beginning router configurations, routed and routing protocols, and beginning LAN switching. Prerequisite: NET 110. Offered: Fall. Course fee: \$50.

NET 211 Cisco III

4.00 Credits

Class 2.00 Lab 6.00

Presents advanced routing and switching, including advanced router configurations, LAN switching, network management, and advanced network design. Prerequisite: NET 210. Offered: Winter. Course fee: \$50.

NET 212 Cisco IV

4.00 Credits Class 2.00 Lab 6.00

A project based learning course, including advanced network design projects, advanced network management projects, and WAN services. Prerequisite: NET 211. Offered: Spring, Course fee: \$50.

Network Design and CCNA Review

2.00 Credits Class 2.00 Lab 2.00
This course is for students who have successfully completed semesters
1-4 of CISCO Networking Academy. Students cover the additional topics needed to prepare for the Cisco Certified Design Associate (CCDA) exam. Network case studies will be examined and modeled using network design software. Students also review CCNA and Introduction to networking topics. Prerequisite: NET 212. Offered:

Spring. Course fee: \$50.

NET 215 Network Systems Security

3.00 Credits Class 2.00 Lab 3.00

Techniques and methods used to secure network systems as applied to computers, networks and the Internet. Prerequisites: NET 211 and CS 201. Offered: Spring. Course fee: \$30.

NET 220

Server Management

Class 3.00 4.00 Credits Lab 4.00 Installing and configuring web, e-mail, FTP, and database servers. Integrating internal networks with the Internet as well as exploring and evaluating current networking technologies are also covered.

Prerequisite: CS 201. Offered: Spring. Course fee: \$30.

NET 225

**Network Communication Theory** 

2.00 Credits Class 2.00 Lab 1.00

Introduces communications theory, including digital and analog signals, multiplexing, modulation and codes, bandwidth and noise in communications systems. Prerequisite: CS 200. Offered: Fall.

. El 240 Cisco V 4.00

4.00 Credits Class 2.00 Lab 6.00 Advanced routing topics. Students learn to extend IP addresses using VLSM and route summarization, configure OSPF, EIGRP, and BGP, control network activity using access list-based features, and redistribute routes between different routing protocols such as RIP, IGRP, EIGRP, and OSPF. Prepares the student for the Cisco Routing Exam (640-503), one of the four exams that make up the Cisco CCNP certification. Prerequisite: NET 212. Offered: Fall. Course fee: \$50.

NET Cisco VI

4.00 Credits Class 2.00 Lab 6.00 Prerequisite: NET 240. Offered: Winter. Course fee: \$50.

Cisco VII

4.00 Credits Class 2.00

Lab 6.00

Prerequisite: NET 241. Course fee: \$50.

NET 242 A Cisco VII A

2.00 Credits Class 1.00 Lab 3.00

Prerequisite: NET 241. Offered: Winter. Course fee: \$25.

NET 242 B

Cisco VII B

2.00 Credits

Class 1.00 Lab 3.00

Prerequisite: NET 242 A. Offered: Spring. Course fee: \$25.

NET 243 Cisco VIII

4.00 Credits

Class 2.00 Lab 6.00

Offered: Spring. Course fee: \$50.

Network Systems Special Topics

0.25-5.00 Credits Class 0.00 Lab 0.00

Structured exploration of a specific topic(s) by participants in a group.

Network Systems Cooperative Work Experience

2.00-5.00 Credits Class 1.00 Lab 10.00-40.00 An on- or off-campus paid work experience coordinated by a faculty member with at least one on-site visit during the quarter. Each student must also be enrolled in an on-campus seminar. One credit is awarded

for a minimum of ten clock hours of work experience scheduled during a standard work week.

NET 296 Network Systems Practicum

Class 1.00 2.00 Credits lab 7.00

The student is placed in a work environment for a minimum amount of time to gain experience before graduation.

NET 298

Network Systems Internship 6.00-9.00 Credits Class 3 Class 3.00 Lab 20.00-40.00 On-the-job training in the workplace of a cooperating agency. Coordinated by an instructor.

## NR **Natural Resources**

NR 171 Natural Areas Management 2.00 Credits Class 2

Class 2.00 Lab 2.00 Studies the basic philosophical need for natural areas and their management, with federal, state and nongovernment organization policies being considered Includes principles of natural areas management, policies and effects of planning, the role of fire in wilderness areas, site management and visitor utilization and access. Course fee: \$15.

NR 256 Pesticide Use in Natural Resources

2.00 Credits Class 1.00 Lab 3.00 Studies the role of pesticides in our economy and environment, covering safe and practical use of pesticides in the cultural forestry operation. Course fee: \$15.

NR. 290

Natural Resources Special Topics

Class 0.25-5.00 0.25-5.00 Credits Lab 0.00 A structured exploration of a specific topic(s) by participants in a

NR 291

Natural Resources Individual Study

Class 1.00-5.00 1.00-5.00 Credits Lab 0.00 Individual study or research. Topics are arranged on an individual basis with instructor permission.

292

Natural Resources Field Experience

3.00 Credits Class 0.00 Lab 36.00 On-the-job training in a natural resources facility through special arrangement with an instructor.

Natural Resources Observation Hour

1.00-3.00 Credits Class 0.00 Lab 15.00-45.00 Participation in an educational experience as observers of practitioners representative of the occupational area. The student may participate at times in the actual work activity.

Natural Resources Internship

Class 0.00 6.00 Credits Lab 40.00 On-the-job training in the workplace of a cooperating agency. Coordinated by an instructor.

# Natural Resource Management

Edible and Medicinal Plants

1.50 Credits Class 1.50 Lab 1.00 Study of past and current medicinal, edible and other uses of native plants, including proper identification, preparation and use of each along with associated folklore and tales. Course fee: \$75.

NRM 110

Chainsaw Operation

1.00 Credit Class 0.00 Lab 2.00 Operation and maintenance of chainsaws are used in the maintenance and management of recreation and wildlife areas. This class is designed for individuals unfamiliar with safety and operation techniques. Offered: Fall, Winter, Spring. Course fee: \$85.

NRM 112 Advanced Chainsaw Operation

2.00 Credits Class 1.00 Lab 3.00
Designed to bring students to Soren Erriksson Level 2 standards within the logging industry. Topics include reduced down time maintenance, chisel bit fitting, felling wedges, carburetor adjustments, spring poles and side lean and felling accuracy. Prerequisite: NRM 110. Course fee: \$85.

NRM 113

Watercraft Operation and Maintenance

Class 0.00 Lab 4.00 2.00 Credits

Boating safely, legally and competently on inland waters in small craft

such as canoe and outboard motorboat, use of trailers and use of associated safety gear. Offered: Fall, Spring. Course fee: \$75.

NRM 114

Recreation Employment Seminar

1.00 Credit Class 1.00 Lab 1.00
Speakers from a variety of agencies concerned with the management of natural resources participate in this course, covering education requirements of prospective employees, projection of job opportunities and methods of applying for specific jobs. Job search techniques are stressed. Offered: Winter, Spring.

NRM 120 Woodshop

1.00 Credit Class 0.00 Lab 3.00 Studies the development of correct safety habits in the use of power equipment and hand tools, placing emphasis on operational safety techniques, daily routine machinery inspections, minor maintenance repairs and personal and group safety rules. The care, use and maintenance of hand tools, power tools and woodworking machinery will be stressed throughout the course. Offered: Fall, Winter. Course

fee: \$60.

NRM 121 Winter Dendrology

3.00 Credits Class 2.00 Lab 3.00

Studies the identification of Ohio trees in the winter condition by sight and by using keys, buds, twigs, fruit, bark and growth habitats. Offered: Winter. Course fee: \$10.

NRM 123

NRM 123 Surveying and Mapping I 200 Credits Class 2.00 Lab 3.00 Plane surveying procedures and applications for distance, direction and elevation measurements, use and care of surveying instruments including the transit, hand level and engineering level. History, basic applied mathematics, units of measurement and the public land survey system is explored. Basic survey mapping techniques are introduced. Prerequisite: MATH 108. Offered: Fall, Winter, Spring. Course fee: \$15.

NRM 124

Surveying and Mapping II 3 00 Credits Class 2.00

Lab 3.00

Lab 3.00

A study of surveying operations used in providing horizontal and vertical control for mapping projects and develops horizontal traversing and trigonometric leveling skills. Appropriate instrument procedures are implemented. Coordinate geometry is used to determine locations of survey control points and data analysis. Prerequisites: NRM 123 and MATH 110. Offered: Summer. Course fee: \$15.

NRM 125 Map Reading and Interpretation

2.00 Credits Class 2.00 Lab 2.00

Theoretical understanding of maps and map making are combined with technical exercises designed to help the student manipulate, enlarge and transcribe maps for other uses. Offered: Fall, Winter, Spring.

NRM 130

Recreation Area Equipment
1.00 Credit Class 0.00

Lab 2.00

Studies maintenance and operation of tractors and farm machinery used in wildlife areas. Operational skills are designed for individuals unfamiliar with safety and operational knowledge of tractors and farm machinery use. Offered: Fall, Spring. Course fee: \$65.

NRM 134

Environmental Issues

3.00 Credits Class 2.00 Lab 3.00 Human influence on the environment including land, water, air, hazardous waste, noise and population is discussed including awareness, observation and evaluation of these problems. Offered: Fall,

NRM 138

Spring.

Art and Science of Herbalism 2.00 Credits Class 1.00

Guided study of herbalism including medicinal herbology, herbal preparation and formulation, organ systems, materia medica and herb research, earth ceremony and awareness, herbal first aid and home health care, natural cosmetics and skin care. Field trips and botanical field exploration compliment plant identification and personal

NRM 163

Foraging Edible and Medicinal Plants

herbarium development. Course fee: \$175.

Studies forging techniques including proper field identification, preparation and uses of plants for food, emergency first aid, shelter and tools. Prerequisite: NR 101. Course fee: \$80.

NRM 169

Natural Resource Exposition I

Class 0.00 0.50 Credits Lab 1.50

An introduction to operating a natural resources exposition with emphasis on exposition logistics, physical set-up through development of basic work skills and public relations. Offered: Fall.

NRM 176 Wetlands Determination

3.00 Credits Class 2.00 Lab 3.00

Students involved in this class will gain an understanding regarding the functional role of wetlands in both natural and socio-economic settings. Land use and legislative history will frame the students' exploration of wetlands up to their present local/global status. Field techniques will include environmental assessment strategies, delineation and mapping activities as they relate to wetland identification, restoration and management. Course fee: \$30.

NRM 206

Conservation Management

A.00 Credits Class 2.00 Lab 6.00
A capstone experience for students in Natural Resource Management.
Students assess the attributes of a land unit through field inventories and develop a conservation plan for the area designed to protect or restore the health of the land into the future. Prerequisites: GEO 100, NRM 210 and WLM 215. Offered: Spring.

NRM 210

Woodland Ecology

3.00 Credits Class 2.00 Lab 3.00

Studies local plant communities, succession and forest types, major North American vegetation types and the ecology of Ohio and analyzes vegetation types in various communities by the use of plot surveys and line transects. Prerequisite: BIOS 109. Offered: Fall.

NRM 217

Aquatic Ecology

3.00 Credits Class 2.00 Lab 3.00

Covers aquatic ecosystems including lakes, rivers and wetlands placing emphasis on hydrology, interrelationships and identification of major communities and community assessment. Prerequisite: MATH 201 or equivalent. Offered: Fall, Spring. Course fee: \$25.

Recreation Area Maintenance

2.00 Credits Class 0.00

Studies the planning, development, operation and management of outdoor recreation facilities such as trails, campgrounds, picnic areas and water areas. Prerequisites: NRM 110 and NRM 130. Offered: Fall, Winter, Spring. Course fee: \$65.

Lab 4.00

Natural Resource Exposition II

0.50-2.00 Credits Class 0.00-1.00 Lab 1.50-3.00 Conducting a natural resource exposition with emphasis on exposition grounds planning, layout, maintenance and restoration of grounds following the exposition. Offered: Fall.

NRM 290

Natural Resource Management Special Topics

1.00-6.00 Credits Class 5.00 Lab 5.00

Structured exploration of a specific topic(s) by participants in a group.

NKM 291 Natural Resource Management Individual Study 1 00-5 00 Credits Class 1.00-5.00 Lab 0.00

Individual study or research. Topics are arranged on an individual basis with instructor permission.

Natural Resource Management Field Experience

1.00-3.00 Credits Class 0.00 Lab 36.00

On-the-job training in a recreation and wildlife facility through special arrangement with an instructor.

NRM 294

Natural Resource Management Cooperative Work Experience 6.00 Credits Class 2.00 Lab 40.00

An on- or off-campus paid work experience coordinated by a faculty member with at least one on-site visit during the quarter. Each student

must be enrolled in an on-campus seminar. One credit is awarded for a minimum of ten clock hours of work experience scheduled during a standard work week.

NRM 296

Natural Resource Management Practicum

2.00-7.00 Credits Class 1.00 Lab 7.00

The student is placed in a work environment for a minimum amount of time to gain experience before graduation.

NRM 297

Natural Resource Management Observation Hour

1.00-3.00 Credits Class 0.00 Lab 15.00-45.00 Participation in an educational experience as observers of practitioners representative of the occupational area. The student may participate at times in the actual work activity.

NRM 298

Natural Resource Management Internship
3.00–6.00 Credits Class 0.00 Lab 40.00
On the job training in the work place of a cooperating agency. Coordinated by an instructor.

## NT Nursing

100

Fundamentals of Gerontology Nursing

3.00 Credits Class 3.00 Lab 0.00 Includes an introduction to the principles and practice of nursing fundamentals, basic nursing techniques, gerontology and patient assessment. Prerequisites: NT 101. Offered: Summer, Fall, Winter, Spring. Course fee: \$10.

100 A

Fundamentals of Gerontology Nursing A 1.50 Credits Class 1.50

Lab 0.00

Includes an introduction to the principles and practice of nursing fundamentals, basic nursing techniques, gerontology and patient assessment. Completion of NT 100 A and NT 100 B fulfills requirement. Prerequisite: Admission to Level I. Offered: Summer, Fall, Winter, Spring. Course fee: \$4.

100 B

Fundamentals of Gerontology Nursing B 1.50 Credits Class 1.50

Includes an introduction to the principles and practice of nursing fundamentals, basic nursing techniques, gerontology and patient assessment. Prerequisite: NT 100 A. Offered: Summer, Fall, Winter, Spring. Course fee: \$6. Lab 0.00

101

Nursing Clinical Experience I 4.00 Credits Class 0.00

Lab 13.00 4.00 Credits Class 0.00 Lau 13.00 Nursing Clinical Experience I provides the opportunity for students to utilize the nursing process at a beginning level and to apply the principles of nursing fundamentals and gerontology to a culturally diverse population. The lab component of the course correlates with NT 100. Prerequisites: NT 100 and NT 102. Offered: Summer, Fall, Winter, Spring. Course fee: \$100.

101 A

Nursing Clinical Experience I A

Class 0.00 2.00 Credits Lab 6.50

2.00 Credits Class 0.00 Lab 6.50
Nursing Clinical Experience I provides the opportunity for students to utilize the nursing process at a beginning level and to apply the principles of nursing fundamentals and gerontology to a culturally diverse population. The lab component of the course correlates with NT 100. Completion of NT 101 A and 101 B completes NT 101.

Prerequisites: NT 100 and NT 102. Offered: Summer, Fall, Winter, Spring. Course fee: \$50.

NT 101 B

NT 101 B

Nursing Clinical Experience I B

2.00 Credits Class 0.00 Lab 6.50

Nursing Clinical Experience I provides the opportunity for students to utilize the nursing process at a beginning level and to apply the principles of nursing fundamentals and gerontology to a culturally diverse population. The lab component of the course correlates with

diverse population. The lab component of the course correlates with NT 100. Prerequisite: NT 101 A. Prerequisites: NT 101 A. Offered: Summer, Fall, Winter, Spring. Course fee: \$50.

102

Nursing Dynamics I

1.00 Credit Class 1.00 Lab 1.00 Nursing Dynamics I is a student-faculty seminar focusing on concepts related to communication skills and attitudinal elements essential to the nurse-patient relationship. Utilizing nursing process theory, students will explore the spiritual, cultural and psychosocial dynamics of illness, loss, institutionalization and the grieving process. Offered: Summer, Fall, Winter, Spring.

NT PACE

Nutrients 1.00 Credit

Class 1.00 Lab 0.00

Normal nutrition and its role in the maintenance of health. Nutrients. their functions and food sources are examined. Caloric needs are also investigated. Offered: Summer, Fall, Winter, Spring.

105

Nursing Charting Skills

1.00 Credit Class 1.00 Lab 0.00

Basic charting skills, legal charting guidelines and adapting charting skills to various charting formats. Offered: Summer, Fall, Winter, Spring. Course fee: \$20.

106

Clinical Math Skills

1.00 Credit Class 1.00 Lab 1.00

Methods and processes of mathematical calculations in the clinical setting. Emphasis on accurately calculating medication dosages and select physiological calculations including age related diversity. Prerequisites: NT 104 and enrolled in Nursing clinicals. Offered: Summer, Fall, Winter, Spring. Course fee: \$20.

Fundamentals of Maternal and Newborn Nursing
3.00 Credits Class 3.00 Lab 0.00

Principles and practices of care during the antepartum, intrapartum, postpartum and neonatal periods. Includes biological and behavioral changes associated with the normal reproductive process, common complications of pregnancy and common anomalies/complications of the newborn period, including prematurity. Prerequisites: MATH 104, NT 103, NT 102, NT 101, NT 100. Offered: Summer, Fall, Winter, Spring. Course fee: \$10

110 A

Fundamentals of Maternal/Newborn Nursing A

1.50 Credits Class 1.50 Lab 0.00
Utilizing the nursing process, the basic principles and practices of care during the antepartum, intrapartum, postpartum, and neonatal periods are covered. Course content includes biological and behavioral changes associated with the normal reproductive process, common complications of pregnancy and common anomalies/complications of the newborn period, including prematurity. Prerequisite: NT 100 B. Offered: Summer, Fall, Winter, Spring. Course fee: \$4.

Fundamentals of Maternal/Newborn Nursing B

Lab 0.00 1.50 Credits Class 1.50

Utilizing the nursing process, the basic principles and practices of care during the antepartum, intrapartum, postpartum, and neonatal periods are covered. Course content includes biological and behavioral changes associated with the normal reproductive process, common complications of pregnancy and common anomalies/complications of the newborn period, including prematurity. Completion of 110 A and 110 B fulfills requirement for NT 110. Prerequisites: NT 100, NT 101, NT 102, NT 103, MT 110 A. Offered: Summer, Fall, Winter, Spring. Course fee: \$6.

Nursing Clinical Experience II

Class 0.00 Lab 13.00 Provides the opportunity for students to utilize the nursing process in applying the principles of fundamentals and maternal-newborn nursing. Incorporated in the clinical are selected nursing techniques to provide care for the childbearing family. A variety of experiences are utilized to assist students in applying classroom content to the clinical setting. There is an associated lab component with this course. Prerequisites: NT 100, NT 101, NT 102, NT 103, MATH 104, BIOS 112. Offered: Summer, Fall, Winter, Spring. Course fee: \$100.

Nursing Clinical Experience II A

2.00 Credits Class 0.00 Provides the opportunity for students to utilize the nursing process in

applying the principles of fundamentals and maternal-newborn nursing. Incorporated in the clinical are selected nursing techniques to provide care for the childbearing family. A variety of experiences are

utilized to assist students in applying classroom content to the clinical setting. There is an associated lab component with this course. Prerequisites: BIOS 112 and NT 101 B. Offered: Summer, Fall, Winter, Spring. Course fee: \$50.

NT 111 B Nursing Clinical Experience II B Class 0.00 2.00 Credits

Lab 6.50

Principles of Maternal Newborn Nursing to provide care for the childbearing family. The lab component of this course correlates with MT 110. The first five weeks of clinical will be completed in the first module NT 111 A. The completion of this second five weeks of clinical will complete the full 4 credits for Nursing Experience II. Prerequisites: NT 111 A and NT 110 B. Offered: Summer, Fall, Winter, Spring. Course fee: \$50.

NT 112

Nursing Dynamics II 1.00 Credit 1.00 Credit Class 1.00 Lab 1.00 Interpersonal relationships and communication within nursing. Investigates nursing ethics, professional behavior, prepared childbirth and human sexuality. Explores dynamics and nursing interventions related to domestic violence, rape, trauma, substance abuse and pregnancy loss. Awareness of and tolerance for developmental, cultural and lifestyle variations will be encouraged. Prerequisite: NT 102. Offered: Summer, Fall, Winter, Spring.

PACE

Lifespan Nutrition 1.00 Credit

Class 1.00 Lab 0.00

Nutritional needs during specific periods within the lifespan including pregnancy, infancy, childhood, teen years, adult and geriatric years. Also digestion, absorption and metabolism of food, food allergies, fevers, infections and inborn errors of metabolism. Prerequisite: NT 103. Offered: Summer, Fall, Winter, Spring.

NT 114 PACE Pharmacology Introduction and Drug Administration 1.00 Credit

Class 1.00 Lab 0.00 Introduction to pharmacology terminology, sources of information about drugs, legal regulations concerning drugs, drug classifications and the nursing process related to the administration of drugs.
Prerequisites: MATH 104 and NT 100. Offered: Summer, Fall, Winter, Spring.

NT 120

Nursing of the Adult

Class 3.00 3.00 Credits Lab 0.00 Common health alterations of adult clients including cardiovascular, hematological, endocrine, respiratory, gastrointestinal, renal and gynecological problems. Communication techniques for supportive interaction with clients and families are discussed. Prerequisites: NT

112, NT 113, NT 114, BIOS 113. Offered: Summer, Fall, Winter, Spring. Course fee: \$10.

120 A

Nursing of the Adult A

1.50 Credits Class 1.50 Lab 0.00

Common health alterations of adult clients, including cardiovascular, hematological, endocrine, respiratory, gastrointestinal, renal and gynecological problems. Communication techniques for supportive interaction with clients and families are discussed. NT 120 A will cover half of Nursing of the Adult. This section along with Section B is equivalent to the full 3 credit hour course. Prerequisites: NT 110 B, NT 111 B, NT 112, NT 113, NT 114, BIOS 113. Offered: Summer, Fall, Winter, Spring. Course fee: \$5.

120 B

Nursing of the Adult B

Class 1.50 Lab 0.00 Common health alterations of adult clients including cardiovascular, hematological, endocrine, respiratory, gastrointestinal, renal and gynecological problems. Communication techniques for supportive interaction with clients and families are discussed. NT 120 B along with NT 120 A is equivalent to the full 3 credit hour course. Prerequisite: NT 120 A. Offered: Summer, Fall, Winter, Spring. Course

Nursing Clinical Experience III

4.00 Credits Class 0.00 Lab 13.00 Supervised clinical experience in the care of adult clients with common health alterations. Observations in critical care units and surgery are included as well as nutrition and pharmacology experiences. Requires demonstration of the ability to integrate concepts in order to plan,

prioritize and modify the nursing plan of care. Emphasis is placed on nursing skills, therapeutic communication, professional behavior and accountability. The lab component correlates with NT 120. Concurrent with NT 120. Prerequisites: NT 114, NT 113, NT 112, BIOS 113. Offered: Summer, Fall, Winter, Spring. Course fee: \$100.

121 A

Nursing Clinical Experience III A 2.00 Credits Class 0.00

Lab 6.50 Supervised clinical experience in the care of adult clients with common health alterations. Observations in critical care units and surgery are included as well as nutrition and pharmacology experience. Requires demonstration of the ability to integrate concepts in order to plan, prioritize and modify the nursing plan of care. Emphasis is placed on nursing skills, therapeutic communication, professional behavior and accountability. The lab component correlates with NT 120. The first 5 weeks of clinical will be completed in NT 121 A. After completion of NT 121 B the full 4 credits for Nursing Clinical III will be completed. Prerequisites: NT 110 B, NT 111 B, NT 112, NT 113, NT 114, BIOS 113. Offered: Summer, Fall, Winter, Spring. Course fee: \$50.

NT 121 B Nursing Clinical Experience III B 2.00 Credits Class 0.00

Lab 6.50 Supervised clinical experience in the care of adult patients with common health alterations. Observations in critical care units and surgery are included as well as nutrition and pharmacology experiences. Requires demonstration of the ability to integrate concepts in order to plan, prioritize and modify the nursing plan of care. Emphasis is placed on nursing skills, therapeutic communication, professional behavior and accountability. The lab component correlates with NT 120. The completion of this second five weeks of clinical will complete the full 4 credits for Nursing Clinical Experience III.
Prerequisite: NT 121 A. Offered: Summer, Fall, Winter, Spring. Course

122

Nursing Dynamics III

1.00 Credit Class 1.00 Lab 0.00 Interpersonal relationships and communication within nursing. Investigation of legal aspects of nursing, nursing history, nursing image, holistic health and health care alternatives. Utilizing nursing process theory, the student will also focus on nursing interventions related to depression and suicide. Prerequisite: NT 112. Offered: Summer, Fall, Winter, Spring.

123 PACE Nutritional Care I Class 1.00 1.00 Credit

Lab 0.00 Background knowledge of routine hospital diets and the special nutritional care indicated in treating disorders of various body systems. Concurrent with NT 120 and NT 121. Prerequisites: NT 110 and NT 113. Offered: Summer, Fall, Winter, Spring.

NT 124 PACE

Pharmacology Drug Classification I

1.00 Credit Class 1.00 Lab 1.00

Covers the principles and techniques of administering oral and parenteral medications; the actions, dosages, adverse reactions and interactions of medications in selected drug classifications. Included in this course are the cardiotonics, anticoagulants, dysrhythmics, vasodilating agents, insulins, oral hypoglycemic agents, thyroid, antithyroid agents female and male sex hormones drugs that affect antithyroid agents, female and male sex hormones, drugs that affect the gastrointestinal function, diuretics, and antihypertensives. Emphasis is placed on patient care and implications of drugs, incorporating information required by a nurse for the appropriate administration of drugs, and for the proper assessment, care, evaluation, and education of the patient. Relationship to the concepts of health and culture are included. Prerequisite: NT 114. Offered: Summer, Fall, Winter, Spring.

130 Nursing of the Adult and Child Class 3.00 3.00 Credits

Lab 0.00 Care of adults and children through the lifespan. Includes sensory, motor, immune and integumentary functioning as well as pediatric nursing concepts related to cardiovascular, respiratory and gastrointestinal disturbances. Aspects of disease prevention, health maintenance and rehabilitation are also included. Prerequisites: NT 120, NT 121, NT 122, NT 123, NT 124, BIOS 114 . Offered: Summer, Fall, Winter, Spring. Course fee: \$20.

Lab 0.00

130 A

Nursing of the Adult and Child A

1.50 Credits Class 1.50

Care of adults and children through the lifespan. Includes sensory, motor, immune and integumentary functioning as well as pediatric nursing concepts related to cardiovascular, respiratory and gastrointestinal disturbances. Aspects of disease prevention, health maintenance and rehabilitation are also included. NT 130 A will cover half of Nursing of the Adult and Child. This section along with NT 130 B NT 121 B, NT 122, NT 123, NT 124, BIOS 114. Offered: Summer, Fall, Winter, Spring. Course fee: \$9.

130 B

Nursing of the Adult and Child B 1.50 Credits Class 1.50

Class 1.50 Lab 0.00 Care of adults and children through the lifespan. Includes sensory, motor, immune and integumentary functioning as well as pediatric nursing concepts related to cardiovascular, respiratory and maining concepts related to Carlovascular, respiratory and gastrointestinal disturbances. Aspects of disease prevention, health maintenance and rehabilitation are also included. NT 130 B along with NT 130 A is equivalent to the full 3 credit hour course. Prerequisite: NT 130 A. Offered: Summer, Fall, Winter, Spring. Course fee: \$11.

Nursing Clinical Experience IV 4.00 Credits

Class 0.00 Lab 13.00 Care of adult and pediatric clients with alterations in health and observation of the growth and development of children in various community settings. Requires the ability to integrate concepts in order to plan, prioritize and modify the nursing plan of care. The laboratory component of the course correlates with NT 130. Prerequisites: NT 124, NT 123, NT 122, NT 121, NT 120, BIOS 114. Offered: Summer, Fall, Winter, Spring. Course fee: \$117.

131 A

Nursing Clinical Experience IV A 2.00 Credits

Class 0.00 Lab 6.50 Care of adult and pediatric clients with alterations in health and Care of adult and pediatric clients with alterations in health and observation of the growth and development of children in various community settings. Requires the ability to integrate concepts in order to plan, prioritize and modify the nursing plan of care. The laboratory component of the course correlates with NT 130. The first five weeks of clinical will be completed in NT 131 A. After completion of NT 131 B the full 4 credits for Nursing Clinical Experience IV will be completed. Prerequisites: NT 120 B, NT 121 B, NT 122, NT 123, NT 124, BIOS 114. Offered: Summer, Fall, Winter, Spring. Course fee: \$50.

NT 131 B Nursing Clinical Experience IV B

2.00 Credits Class 0.00 Lab 6.50 Care of adult and pediatric clients with alterations in health and observation of the growth and development of children in various community settings. Requires the ability to integrate concepts in order to plan, prioritize and modify the nursing plan of care. The laboratory component of the course correlates with NT 130. Concurrent with NT 130. The completion of the second 5 weeks of clinical will complete the full 4 credits for Nursing Clinical Experience IV. Prerequisite: NT 131 A. Offered: Summer, Fall, Winter, Spring. Course fee: \$50.

132

Nursing Dynamics IV

Class 1.00 1.00 Credit Lab 0.00 Communication skills, interpersonal relationships and attitudinal elements essential to the nursing profession. Focuses on preparing for the transition into the world of nursing. Includes exploration of the special areas of nursing such as child abuse, hospice and the nursing care of the terminally ill child. Prerequisite: NT 122. Offered: Summer, Fall, Winter, Spring.

133 PACE

Nutrition Economics

1.00 Credit Class 1.00 Lab 0.00 Food as a source of essential nutrients, menu planning for adequate nutrition, economical food purchasing and preparation, food additives and community nutrition problems including nutritional deficiencies and excesses and food borne illnesses. Prerequisites: NT 113 and NT 103. Offered: Summer, Fall, Winter, Spring

NT PACE

Pharmacology Drug Classification II

1.00 Credit Class 1.00 Lab 1.00 Actions, dosages, side effects and interactions of medications in selected drug classifications. Includes adrenocorticosteroid drugs adrenergic and adrenergic blocking agents, cholinergics and cholinergic blocking agents, antibiotics, sulfa drugs, antifungal drugs, antihistamines, sedatives, hypnotics, narcotic analgesics, non-narcotic analgesics, analgesics, antipyretics, antianxiety agents, antiinflammatory agents, antipsychotic and antidepressant drugs. Emphasizes patient care implications of drugs, incorporating information required by a nurse for the appropriate administration of drugs and for the proper assessment, care, evaluation and education of the patient. Prerequisite: NT 124. Offered: Summer, Fall, Winter, Spring.

140

Technical Aspects of Adult Health Nursing

Lab 4.00 5.00 Credits Class 4.00 Is designed as a review and an enrichment of the students' knowledge of course content related to utilization of the nursing process, medical/ surgical conditions and nursing care relevant to disorders of the respiratory, gastrointestinal, musculoskeletal, cardiac, vascular, hematological, male reproductive and genitourinary systems. Includes assessment of the enrichment students' knowledge of medical/surgical nursing. Prerequisite: Admission to Enrichment. Offered: Fall. Course fee: \$70.

NT

Technical Aspects of Nursing Dynamics

1.00 Credit Class 1.00 Lab 1.00 Communication skills, interpersonal relationships and the role of the nurse on the health care team. Overview of key areas covered in all Level I Nursing Dynamics courses. Investigates concepts related to loss and crisis intervention. Prerequisite: Admission to Enrichment. Offered:

NT

Technical Aspects of Nutrition

1.00 Credit Class 1.00 Lab 0.00 This course is designed to review and enrich the student's knowledge of nutrients and nutritional care. Seven topics are included as mandatory components: Macronutrient review, metabolism and weight control, food safety Diabetes Mellitus, cardiovascular disorders, tube feedings, and pregnancy. Several optional topics are offered for independent student review, one of which must be chosen for study. Prerequisites: Admission to Enrichment. Offered: Fall.

Technical Aspects of Pharmacology

2.00 Credits Class 2.00 Lab 0.00
Review of pharmacology and related nursing care. Selected drug classifications are presented with emphasis on patient care implications of drugs including information required by a nurse for appropriate administration of the drug and the proper assessment, care, evaluation and education of the patient. Prerequisite: Admission to Enrichment. Offered: Fall.

Technical Aspects of Child Health Nursing

Class 2.00 2.00 Credits Lab 0.00 Review of pediatric nursing, infant through adolescence. Physical, cognitive and psychosocial factors are presented. Emphasis is placed on the study of common health problems and the utilization of the nursing process in caring for children with those conditions. Patient/family teaching, the child's response to hospitalization, communication techniques, utilization of community resources and cultural factors are stressed. Prerequisite: Admission to Enrichment. Offered: Fall.

NT

Technical Aspects of Maternal and Newborn Nursing

2.00 Credits Class 2.00 Lab 0.00
Review of obstetrical nursing to provide or update information so that the student may proceed into Level II nursing courses with a sound basic theoretical background. Use of the nursing process in the delivery of holistic health care in this setting is emphasized. Prerequisite: Admission to Enrichment. Offered: Fall.

151

IV Therapy for LPNs

Class 4.00 4.00 Credits Lab 1.00 Provides the LPN with the knowledge and skills needed to perform limited intravenous therapy procedures on adults at the direction of a registered nurse, licensed physician, dentist or podiatrist as outlined in 4723-17-10 of the Ohio Board of Nursing Administrative Code. Successful completion of this course and the meeting of all criteria confirmed by the Ohio Board of Nursing results in the Ohio Board of Nursing issuing a card of completion. The laboratory component of this course provides the student with the opportunity to practice intravenous therapy procedures. Clinical will be arranged following satisfactory completion of theory and laboratory components. Prerequisite: LPN. Course fee: \$75.

Mental Health Nursing
Class 3.00 Lab 1.00 The mental health nursing course addresses the nurse's role with a variety of frequently experienced mental health problems. The course has two major focuses. One major focus is the sensitivity of the student nurse to his/her own needs, the enhancement of communication skills and the therapeutic use of self. The other major emphasis is on the student's increased awareness of and sensitivity to the psychosocial/mental health needs of people across the lifespan and of people experiencing mental health problems. Mental health promotion is included, however, the major emphasis is on building supportive relationships and collaboratively planning care through implementing the nursing process for people experiencing mental health problems. The primary teaching methods include case presentation, informal role-playing, group discussion, guest speakers, computerized review of select topics and use of audio-visual aids to enhance sensitivity to others and psychosocial support skills.

Prerequisites: Graduate of Level I or completion of all enrichment courses and admission to Level II. Offered: Summer, Fall, Winter, Spring. Course fee: \$10.

NT 201 Nursing Clinical Experience V 3.00 Credits Class 0.00

Lab 9.00 The mental health nursing clinical offers the student opportunities to observe and/or provide basic nursing care for people experiencing mental health problems. Includes both inpatient mental health facilities and community experiences. Emphasis is placed on increased awareness of and sensitivity to the needs of self, others and the enhancement of interpersonal skill development. Concurrent with NT 200. Prerequisite: Admission to Level II Nursing. Offered: Summer, Fall, Winter, Spring. Course fee: \$85.

202

Role Transition LPN to RN

1.00 Credit Class 1.00 Lab 0.00 1.00 Credit Class 1.00 Lab 0.00
Role Transition from LPN to RN is a student-faculty seminar focusing on the role change and professional behaviors appropriate for an LPN in transition to an RN. Role and change theory, stress and stress management related to role change, and professional issues such as: professional organizations, professional commitment, nursing image, the history of the ADN, career planning, and legal and political aspects related to the scope of practice will be discussed. Prerequisites: Must be taken concurrently with NT 200 or special permission from the instructor. Offered: Summer, Fall, Winter, Spring.

NT 210

Advanced Nursing of the Adult I

3.00 Credits Class 3.00 Lab 0.00 Care of adult patients with a variety of selected, well defined complex health alterations. The student facilitates the patient and family in achieving and maintaining their highest level of functioning.

Prerequisites: NT 202, NT 201, NT 200, BIOS 200. Offered: Summer, Fall, Winter, Spring. Course fee: \$10.

211

Nursing Clinical Experience VI 5.00 Credits Class 0.00

Lab 16.00

PACE

Clinical experience in acute care settings. Emphasizes providing nursing care to adult patients with a variety of complex health alterations. Opportunity is provided to apply nursing knowledge in the performance of intermediate and advanced nursing skills. The laboratory component of the course correlates with NT 210. Prerequisites: NT 202, NT 201, NT 200, BIOS 200. Offered: Summer, Fall, Winter, Spring. Course fee: \$110.

NT 213 Nutritional Care II

Class 1.00 1.00 Credit Lab 0.00 Nutritional assessment, iatrogenic malnutrition, vegetarian regimes and nutritional needs in thermal injury, cancer and mental illness. Additional discussion areas include cardiovascular disorders, sodium modifications and tube feeding. Concurrent with Quarter VI Nursing. Concurrent with NT 210 and NT 211. Offered: Summer, Fall, Winter, Spring

215

NT 215 Leadership in Nursing Class 1.00 Lab 1.00 Leadership and management roles of the nurse are presented. The lab includes case presentations, group discussions and activities designed to assist in the identification and application of leadership and management skills. Prerequisite: NT 202. Offered: Summer, Fall, Winter, Spring.

Advanced Nursing of the Adult II

3.00 Credits Class 3.00 Lab 1.00
Care of adult patients with a variety of selected well defined complex health alterations. Leadership and management roles of the nurse are presented. The lab component of the course includes activities designed to assist the student in the identification and application of leadership and management skills. Prerequisites: NT 211, NT 210, NT 213, PSYC 151. Offered: Summer, Fall, Winter, Spring. Course fee: \$20.

221

Nursing Clinical Experience VII

Clinical experience VII

5.00 Credits Class 0.00 Lab 15.00

Clinical experience in an acute care setting. Emphasizes utilization of the nursing process in the provision of care to adult/child patients with a variety of complex health alterations. The student incorporate roles of leader/manager, patient/ family teacher and professional. Prerequisites: PSYC 151, NT 213, NT 211, NT 210. Offered: Summer, Fall, Winter, Spring. Course fee: \$90.

222

Nursing Dynamics V

Class 1.00 1.00 Credit Lab 1.00 Nursing Dynamics V is a student-faculty seminar which focuses on preparing the student for the transition into the world of nursing. The role of the ADN in research, ethical and legal implications for practice, and career development issues are explored. Prerequisites: NT 210 and NT 211. Offered: Summer, Fall, Winter, Spring.

225

Advanced Maternal and Child Nursing

1.00 Credit Class 1.00 Lab 1.00

Advanced study and review of maternal-child nursing. Maternalnewborn content includes fetal development, nursing assessment and care during pregnancy, birth and postpartum, and newborn care and complications. Nursing care of the child includes growth and development and health alterations during infancy, toddler, preschool, school age and adolescence. Prerequisites: NT 210 and NT 211. Offered: Summer, Fall, Winter, Spring.

NT 290

**Nursing Special Topics** 

0.50-5.00 Credits Class 0.50-5.00 Lab 0.00

Structured exploration of a specific topic(s) by participants in a group.

291

Nursing Individual Study

1.00-5.00 Credits Class 1.00-5.00 Lab 0.00

Individual study or research. Topics are arranged on an individual basis with instructor permission.

292

Nursing Field Experience

1.00-4.00 Credits Class 0.00 Lab 12.00-48.00 On-the-job training in a nursing facility through special arrangement with an instructor. Course fee: \$30.

Nursing Directed Practice

2.00-8.00 Credits Class 1.00 Lab 5.00-35.00 Directed practice instruction in the performance of a particular

function by the instructor. Course fee: \$30.

294

Nursing Cooperative Work Experience

2.00-5.00 Credits Class 1.00 Lab 10.00-40.00 An on- or off-campus paid work experience coordinated by a faculty member with at least one on-site visit during the quarter. Each student must be enrolled in an on-campus seminar. One credit is awarded for a minimum of ten clock hours of work experience scheduled during a standard work week. Course fee: \$30.

296

Nursing Practicum 2.00-7.00 Credits Class 1.00 Lab 7.00-42.00 The student is placed in a work environment for a minimum amount of time to gain experience before graduation. Course fee: \$30.

Nursing Observation Hour 1.00–3.00 Credits Class

Class 0.00 Lab 15.00-45.00 Participation in an educational experience as observers of practitioners representative of the occupational area. The student may participate at times in the actual work activity.

NT 298 Nursing Internship

3.00-6.00 Credits Class 0.00 Lab 40.00 On the job training in the work place of a cooperating agency.

Coordinated by an instructor. Prerequisite: Level I graduate. Course fee:

OAT Office Administration

PACE

OAT 100 Information Processing Class 1.00 Lab 3.00

Information Processing is designed to teach formats for business correspondence and manuscripts with emphasis on correct techniques, proofreading, and accuracy. Further development of keyboarding speed measured in words per minute and accuracy of one error per minute on five-minute timings is a major component of this course. Numeric keypad instruction is part of this course. Offered: Summer, Fall, Winter, Spring. Course fee: \$35.

OAT 102 Office Simulation I

3.00 Credits Class 2.00 Lab 4.00

Through the use of simulations, the course provides realistic experience with a variety of activities representative of the tasks performed by executive secretaries and administrative assistants. Projects are prepared using Corel WordPerfect and Microsoft Word. Some of the work requires composing, prioritizing, and creativity. Prerequisite: OAT 100. Offered: Winter. Course fee: \$37.

OAT 107

Telephone Skills

1.00 Credit Class 1.00 Lab 1.00

Aspects of telephone use in an office. Includes single line telephones and multi-button computerized systems, recording messages, long distance procedures, using directory assistance and handling emergency situations. Offered: Fall. Course fee: \$20.

Office Procedures I

3.00 Credits Class 3.00 Lab 2.00 Overview of the modern business office. Methods that may be encountered in any size office and professional procedures for carrying out duties including secretarial/ receptionist duties and records management. Opportunities in the secretarial field and various levels of

secretarial work are explored. Personal qualifications, proper attitude and conduct are stressed through problem solving situations. Offered: Fall. Course fee: \$5.

OAT 111 Office Procedures II

3.00 Credits Class 3.00 Lab 2.00

Gives the executive assistant background to lend administrative support to today's busy executives; to use judgment and make decisions, to work without supervision and to be able to apply word processing principles to process information. Prerequisite: OAT 110. Offered: Winter. Course fee: \$30.

Office Management Computer Systems

1.00 Credit Class 1.00 Lab 1.00

Introduction to computer systems, hardware, software, disk operating system, and Windows. Offered: Fall. Course fee: \$30.

OAT 114 Electronic Communication

2.00 Credits Class 1.00 Lab 2.00

2.00 Credits Class 1.00 Lab 2.00
This course involves all aspects of computer communications in an office. This includes E-mail, faxing, using a scanner, attaching files to e-mail, voice mail boxes, group e-mail, producing Web Pages, and down loading from the Internet. Offered: Winter. Course fee: \$35.

PACE

OAT 121 Speed Building I

1.00 Credit Class 1.00 Lab 2.00

Intense individualized program to improve the student's speed and accuracy on five minute timings. Prerequisite: OAT 180. Offered: Summer, Fall, Winter, Spring. Course fee: \$35.

OAT 122 PACE

Speed Building II 1.00 Credit

Class 1.00 Lab 2.00

Continuation OAT 121. Prerequisite: OAT 121. Offered: Summer, Fall,

Winter, Spring. Course fee: \$35.

OAT 180

PACE

Keyboarding

1.00 Credit Class 1.00 Lab 1.00

Basic instruction on the alphanumeric keyboard. The student learns to operate a computer keyboard without looking at the keys which allows them to key in information swiftly and efficiently. Offered: Summer, Fall, Winter, Spring. Course fee: \$25.

OAT 190 Business Communication Skills I

2.00 Credits Class 1.00 Lab 3.00 Writing, speaking, listening, and reading to prepare for transcription in the modern business office by using a reference manual. Competencies include grammar, punctuation, capitalization, abbreviations, number style, plurals and possessives, spelling word division, editing, and proofreading. Techniques and procedures for proofreading and editing letters, memos, reports and manuscripts. Offered: Fall. Course fee: \$5.

Business Communication Skills II

2.00 Credits Class 1.00 Lab 2.00

A continuation and application of Business Communication Skills I, using a reference manual to create business communication. Offers a wide range of communication skills that are used by business people to present ideas clearly and persuasively. Gives specific examples of the communication techniques that lead to sound decision making and effective teamwork. Prerequisite: OAT 190. Offered: Winter. Course fee:

OAT 200

Introduction to Transcription

Class 2.00 3.00 Credits Lab 4.00

Introduction to the desktop cassette transcriber. Includes proper care of equipment and transcribing techniques stressed to produce mailable copy. Emphasizes communication and proofreading skills. Prerequisites: OAT 100 and OAT 190. Offered: Spring. Course fee: \$30.

OAT 211 Word Processing - Word Perfect

3.00 Credits Class 2.00 Lab 4.00

Hands-on experience in word processing using the software COREL WordPerfect. Prerequisite: OAT 100. Offered: Winter. Course fee: \$37.

OAT 215 Office Database Management - Access

2.00 Credits Class 2.00 Lab 2.00

Offered: Fall. Course fee: \$30.

OAT 216

Word Processing - Microsoft Word

Class 2.00 Lab 4.00

Hands on experience in word processing using the software Microsoft Word. Prerequisite: OAT 100. Offered: Spring. Course fee: \$37.

Office Budgeting Using Excel 3.00 Credits Class 2.00

Lab 3.00 Through extensive lab work, students learn to prepare spreadsheets, compile and manipulate databases, and develop graphs using Excel. Through the application of Excel, students read, prepare, and analyze budgets. Offered: Spring. Course fee: \$37.

OAT 220

Office Procedures III

3.00 Credits Class 2.00 Lab 4.00

A continuation of office procedures including preparation of documents in administrative, legal, and medical offices. Prerequisites: OAT 111, OAT 211, OAT 216. Offered: Fall. Course fee: \$37.

OAT 222
Office Presentations - Powerpoint
Class 1.00

Lab 2.00

This course introduces Powerpoint presentation graphics program. Students will have hands-on experience with on-screen presentations, paper printouts, overhead transparencies, notes, handouts, outlines, slides, and world wide web documents. Offered: Fall. Course fee: \$30.

OAT 230 Administrative Transcription

3.00 Credits Class 2.00 Lab 4.00
Development of proficiency in producing mailable copy of dictated letters, memos, reports and material with changes and corrections. Communications involve areas in banking, accounting, government, data/word processing and insurance. Prerequisites: OAT 100 and OAT Class 2.00

200. Offered: Winter. Course fee: \$37.

OAT 240

Integrated Office Software

3.00 Credits Class 2.00 Lab 4.00 Advanced course in word processing applications. Prerequisites: OAT 102, OAT 211, OAT 216. Offered: Spring. Course fee: \$37.

Office Publications and Presentations

3.00 Credits Class 2.00 Lab 4.00 Office Publications will introduce the student to various publishing terms and techniques using Publisher 2000. The student will create various types of publications. Prerequisite: OAT 211. Offered: Winter.

OAT 260 Office Simulation II Capstone

3.00 Credits Class 2.00 Lab 4.00 Develops typing difficult material for acceptability in the business office. Most copy is unarranged and in longhand. Following instructions, implied as well as stated, is required. Simulations provide realistic experiences with various tasks performed by executive and administrative secretaries. Prerequisites: OAT 102, OAT 216, OAT 218,

OAT 211, OAT 250. Offered: Spring. Course fee: \$37.

OAT 280 Legal Transcription

3.00 Credits Class 2.00 Lab 4.00 Use of the cassette transcriber to type legal documents. Stresses correct spelling, punctuation and placement and accurate proofreading. Prerequisite: OAT 200. Course fee: \$37.

Office Management Special Topics

0.25-5.00 Credits Class 0.25-5.00 Lab 0.00

Structured exploration of a specific topic(s) by participants in a group.

Office Management Individual Study 1.00-5.00 Credits Class 1.00-5.00

Class 1.00-5.00 Lab 0.00 Individual study or research. Topics are arranged on an individual basis

with instructor permission.

OAT 292 Office Management Field Experience

Class 0.00 1.00-4.00 Credits Lab 12.00-48.00 On-the-job training in a secretarial facility through special arrangement with an instructor.

OAT 294

Office Management Cooperative Work Experience

2.00-5.00 Credits Class 1.00 Lab 10.00-40.00 An on- or off-campus paid work experience coordinated by a faculty member with at least one on-site visit during the quarter. Each student must be enrolled in an on-campus seminar. One credit is awarded for a minimum of ten clock hours of work experience scheduled during a standard work week.

OAT 296

Office Management Practicum

3.00 Credits Class 1.00

Lab 16.00

The student is placed in an office two days a week to gain experience before graduation. Prerequisite: Sixth quarter standing. Prerequisites: OAT 102, OAT 160, OAT 220, OAT 230, OAT 250. Offered: Spring.

OAT 296 A

Office Management Practicum I

2.00 Credits Class 1.00 Lab 7.00
The student is placed in a work environment for a minimum amount of time to gain experience before graduation. Prerequisites: OAT 107, OAT 110, OAT 111, OAT 113, OAT 190. Offered: Spring.

OAT 296 B Office Management Practicum II

2.00 Credits Class 1.00 Lab 7.00
The student is placed in a work environment for a minimum amount of time to gain experience before graduation. Prerequisites: OAT 102, OAT 296, OAT 220, OAT 230, OAT 250. Offered: Spring.

OAT 297 Office Management Observation Hour

1.00-3.00 Credits Class 0.00 Lab 15.00-45.00 Participation in an educational experience as observers of practitioners representative of the occupational area. The student may participate at times in the actual work activity.

OAT 298

Office Management Internship

3.00-6.00 Credits Class 0.00 Lab 20.00-40.00 On the job training in the work place of a cooperating agency. Coordinated by an instructor.

#### OPT Opticianry

OPT 100

Introduction to Optical

2.00 Credits Class 2.00 Lab 0.00 An introduction to opticianry in the United States, historically and currently. Provides an overview of the nature of the work of the optician, working conditions, employment opportunities and job outlook. Introduces basic optical principles and concepts of lens design and frame fitting. Offered: Fall.

Geometric Optics I

3.00 Credits Class 2.00 Lab 3.00

The nature of light, the behavior of light when it encounters various refractive and reflective surfaces, lens power, indices and prism. Verification of lenses by hand neutralization, lensometry. Offered: Winter. Course fee: \$35.

OPT 102

Geometric Optics II

3.00 Credits Class 2.00 Lab 3.00

Lens design; decentration of spheres, cylinders and spherocylinders; effects of decentration on oblique cylinders; effects of prism thickness; refraction of multiple light rays; lens form, analysis and verification.

Prerequisite: OPT 101. Offered: Spring. Course fee: \$35.

OPT 103

Geometric Optics III

3.00 Credits Class 2.00 Lab 3.00 Optical considerations with increasing lens power. Prism and accommodation at near; calculating vertical imbalance; corrected curve theory; special lens designs to include aspheric, high-plus and high minus lenses; Fresnel prisms; and magnification problems. Prerequisite: OPT 102. Offered: Fall. Course fee: \$35.

OPT 111 Mechanical Optics I

Class 2.00 Lab 3.00 3.00 Credits

Study of the finishing process. The edging process is practiced as it relates to single vision and multifocal lens designs in sphere, cylinder and spheroclindrical form, progressive lens designs, and occupational lens designs. Special edge treatments are discussed. Offered: Winter. Course fee: \$50.

OPT 112

Mechanical Optics II

Class 2.00 Lab 3.00 3.00 Credits

Theory and application of technical skill related to lens surfacing procedures; manufacturing of prescriptions to include thickness, surface curvature and lens blank selection; surfacing techniques for various lens styles and material are included. Prerequisite: OPT 111. Offered: Spring. Course fee: \$50.

121

Optical Clinical Experience I

Class 1.00 3.00 Credits Lab 6.00

Experience in a business in the optical field applying practical knowledge gained in the classroom. The seminar includes discussion of job-related concerns and situations faced by the student in their practicum, job requirements and employment opportunities. Offered: Spring. Course fee: \$25.

122

Optical Clinical Experience II

3.00 Credits Class 1.00 Lab 6.00 Experience in a business in the optical field applying practical knowledge gained in the classroom. The seminar includes discussion of job-related concerns and situations faced by the student in their practicum, job requirements and employment opportunities. Prerequisite: OPT 121. Offered: Fall. Course fee: \$25.

Optical Clinical Experience III

3.00 Credits Class 1.00 Lab 6.00 Experience in a business in the optical field applying practical knowledge gained in the classroom. The seminar includes discussion of job-related concerns and situations faced by the student in their practicum, job requirements and employment opportunities. Prerequisite: OPT 122. Offered: Winter. Course fee: \$25.

124

Optical Clinical Experience IV

6.00 Credits Class 1.00 Lab 16.00
Experience in a business in the optical field applying practical knowledge gained in the classroom. The seminar includes discussion of job-related concerns and situations faced by the student in their practicum, job requirements and employment opportunities. Prerequisite: OPT 123. Offered: Spring. Course fee: \$25.

Ophthalmic Dispensing I 3.00 Credits Class 2.00 Lab 3.00 Ophthalmic frames, styles, materials and frame parts are covered. Frame styling and selection, prescription considerations, standard alignment and adjustment of ophthalmic eyewear are presented. Lens materials and characteristics, as well as multifocal types and interpupillary measurement are covered. Offered: Winter. Course fee:

OPT 132 Ophthalmic Dispensing II Class 2.00 Credits Class 2.00 Lab 3.00 Absorptive lenses, reference point placement, multifocal height, and lens blank size determination are discussed. Frame repair and modifications are covered. Includes the ordering of the correct absorptive or tinted lenses, and a discussion of ethics and legal issues. Intermediate dispensing techniques are covered. Prerequisite: OPT 131. Offered: Spring. Course fee: \$50.

133

Ophthalmic Dispensing III

Class 2.00 3.00 Credits Lab 3.00

Advanced fitting techniques including cataract lens fitting, vertex distance and progressive lenses as well as sports, safety and advanced special dispensing situations. Inventory and frame board management is included. Prerequisite: OPT 132. Offered: Fall. Course fee: \$50.

OPT 201

Contact Lenses I 3.00 Credits

Class 2.00 Lab 3.00

Theory, design, optical principles, terminology and history of contact lenses; indications and contradictions for contact lens wear; anatomy and physiology of the eye related to contact lenses; principles and techniques of various verification and diagnostic instrumentation; patient education on care, cleaning, insertion and removal of rigid and hydrogel contact lenses. Offered: Fall. Course fee: \$50.

OPT 202

Contact Lenses II

3.00 Credits Class 2.00 Lab 3.00

Fundamental techniques and fitting procedures of hydrogel and rigid lenses to include spherical and toric lens designs; evaluation of lens fit to include ocular integrity and visual performance. Prerequisite: OPT 201. Offered: Winter. Course fee: \$50.

OPT 203

Contact Lenses III

3.00 Credits Class 2.00

Lab 3.00 Advance techniques of contact lens fitting are examined and practical

applications in the fitting process are experienced. Prerequisite: OPT 202. Offered: Spring. Course fee: \$50.

OPT 204

Opthalmic Assisting

2.00 Credits Class 2.00 Lab 0.00

Refractive status of the eye and its correction. Techniques and diagnostic procedures used to evaluate visual function and occular health. Preliminary testing, data collection, patient handling, chairside assisting, and blood pressure measurement. Offered: Winter. Course fee:

OPT 220

Refraction

Class 2.00 Lab 3.00 Entry-level knowledge of theory and performance of refraction in the eye; study of ocular media, ametropia neutralization, astigmatism, objective and subjective refraction, anomalies of vision, clinical refraction and retinoscopy; pitfalls and aids to refractionist. Offered: Spring. Course fee: \$50.

#### PHY **Physics**

PHY 106 Physics for Radiologic Technology

5.00 Credits Class 4.00 Lab 2.00 Concepts of electrical energy, electromagnetic energy, production of xradiation, interaction with matter, and the x-ray tube, circuitry and special equipment. Offered: Fall.

#### **PHYS Physics**

PHYS 103

**Physics** 3.00 Credits

Class 3.00 Lab 2.00

Introduces basic physics principles applied to mechanics (force and motion, friction, leverage, kinetic and potential energy, work), heat light and sound (heat transfer, electromagnetic radiation, lasers, sound propagation) and electricity. Prerequisite: MATH 108. Offered: Fall,

PHYS 201

PACE

Physics - Motion

Class 3.00

Lab 2.00 Introduction to physics for engineering technologies. Covers the study of forces, Newton's laws of force and motion; harmonic motion; work, energy and power; basic machines; properties of gases, liquids and solids. Prerequisite: MATH 108. Offered: Summer, Fall, Winter, Spring. Course fee: \$30.

PHYS 202

PACE

Physics - Heat, Light, and Sound

3.00 Credits Class 3.00

Lab 2.00

Heat transfer, energy transformation, heat engines, air conditioning, wave motion and vibration, sound and hearing, light wave motion, mirrors and lenses, reflections, refraction, absorption and dispersion of light, diffraction and interference and optical instruments. Prerequisite: MATH 108. Offered: Summer, Fall, Winter, Spring. Course fee: \$30.

#### **PSCI** Police Science

Tactical Patrol Procedures

Class 2.00 3.00 Credits Lab 4.00

Study and practice of duties for the police officer on the street including the tactics, procedures and guidelines for safely and legally answering all types of calls. Prerequisite: OPOTA Blend student. Course fee: \$10.

PSCI 106

Police Communication Operations

2.00 Credits Class 2.00 Lab 2.00

Procedures of public safety dispatching including LEED's operation.

APCD certification. Prerequisite: OPOTA Blend student. Offered: Winter. Course fee: \$67.

PSCI 108

Defensive Driving and Cruiser Operations

Lab 2.00 Class 1.00

Public safety vehicle operation as well as development of driver skills in a vehicle driving range. Prerequisite: OPOTA Blend student. Course fee:

PSCI 110

Cultural Sensitivity in Law Enforcement

Lab 0.00 1.00 Credit Class 1.00

Includes OPOTC student performance objectives and OPOTC emphasis regarding cultural diversity and sensitivity.

PSCI 160

Computer Applications in Law Enforcement

Lab 3.00 2.00 Credits Class 1.00

Computers and software for law enforcement, computer security needs, preventing computer abuse, and applications to investigation, evidence control, crime scene reconstruction and records management. Offered: Winter. Course fee: \$40.

PSCI 180 Criminalistics I

Class 1.00 Lab 5.00 Fingerprint systems used in the criminal justice systems. Includes the

Henry and the N.C.I.C. methods of fingerprint classification and methods used to take major crime prints and rolled fingerprints. Offered: Fall. Course fee: \$100.

Advanced Patrol Procedures

Class 2.00 Lab 4.00

Practical, safe and professional techniques in dealing with problems encountered by police. Includes a comprehensive examination of traffic and crowd control functions and techniques. Prerequisites: PSCI 105 and OPOTA Blend student. Offered: Spring. Course fee: \$25.

PSCI 210 Crime Prevention and Community Relations

2.00 Credits Class 1.00 Lab 4.00

Methods used by criminal justice personnel in crime prevention and community relationships including programs and systems. Offered: Fall.

PSCI 216 Police Firearms

4.00 Credits Class 2.00

Lab 7.00

Introduction to modern police firearms nomenclature, weapons maintenance, usage, restrictions, civil and criminal liability and safety procedures. Prerequisite: OPOTA Blend student. Course fee: \$200.

Point Combat Firearms Instructor

0.25-5.00 Credits Class 0.25-5.00 Lab 0.00 Provides the practicing firearms instructor with an in-depth view of Instinctive Point Shooting Concepts and provides procedural recommendations for teaching this method of shooting. Course fee: 150.

PSCI 235

Police Report Writing
2.00 Credits Class 1.00

Lab 3.00

Writing effective police reports. The participant learns to find and record all relevant facts, analyze and organize findings as well as distinguish fact from hearsay, conclusion and opinion and communicate all relevant findings in a well-written report. Prerequisite: COMM 122. Offered: Fall. Course fee: \$30.

PSCI 240

Advanced Investigation

3.00 Credits Class 2.00 Lab 5.00

Major case preparation and analysis including homicide investigation procedures and forensic techniques. Prerequisites: PSCI 140, PSCI 250 A, PSCI 250 B, PSCI 250 C, PSCI 250 D. Offered: Spring. Course fee:

PSCI 245

PSCI 245 Accident Investigation Class 3.00

Lab 2.00

Techniques used in vehicle traffic accident investigation including

report writing, scene reconstruction and analysis of causes.

PSCI 250

Peace Officer Basic Training

24.00 Credits Class 12.00 Lab 18.00

Prepares the individual for a career in law enforcement. Introduction to performance objectives outlined by the Ohio Peace Officer Training Council. Upon successful completion the student will be eligible for the Ohio Peace Officer certification exam. Course fee: 844.

PSCI 250 A

Law Enforcement - OPOTA

4.00 Credits

Class 3.00 Lab 5.00

Administration and legal aspects of law enforcement. Offered: Fall. Course fee: \$180.

PSCI 250 B

Law Enforcement II - OPOTA

4.00 Credits Class 3.00

Lab 5.00

Human relations and prisoner booking and handling. Prerequisite: PSCI 250 A. Offered: Fall, Winter. Course fee: \$141.

PSCI 250 C

Law Enforcement III - OPOTA

4.00 Credits Class 3.00

Investigation and driving. Prerequisite: PSCI 250 B. Offered: Fall, Spring. Course fee: \$141.

PSCI 250 D

Law Enforcement IV - OPOTA

Class 3.00 Lab 5.00

Traffic accident investigation, traffic enforcement, civil disorders and unarmed self-defense. Prerequisite: PSCI 250 C. Offered: Fall. Course fee: \$180.

PSCI 250 E

Law Enforcement V - OPOTA

4.00 Credits Class 3.00 Lab 5.00

Patrol unit and physical conditioning. Prerequisite: PSCI 250 D. Offered: Fall, Winter. Course fee: \$141.

PSCI 250 F

Law Enforcement VI - OPOTA

4.00 Credits Class 3.00 Lab 5.00

Firearms and first aid. Prerequisite: PSCI 250 E. Offered: Fall, Spring. Course fee: \$141.

PSCI 251

Semi-Automatic Instructor - OPOTC

0.25-5.00 Credits Class 0.25-5.00 Lab 0.00

Directed to officers having training assignments. The course will meet part of the OPOTC requirements for both basic training instructors and requalification instructors and includes semi-auto pistol operation and handling, pistol design and function, safety operation, cycle failure and recovery, target engagement, shooter problems and correction and pistol maintenance. Course fee: \$115.

PSCI 252

Revolver Instructor - OPOTC

0.25-5.00 Credits Class 0.25-5.00 Lab 0.00

Designed to provide the firearms instructor candidate with an in-depth view of instructional methods and procedures for teaching various methods of revolver shooting. The majority of this course will be conducted at an outdoor lab site. Students should be prepared for extended outdoor activities in a variety of weather conditions. Prerequisite: OPOTC instructor. Course fee: \$115.

PSCI 253

Shotgun Instructor - OPOTC

0.25-5.00 Credits Class 0.25-5.00 Lab 0.00

Designed to meet a portion of the OPOTC requirements to instruct the shotgun in basic training or in-service. Course fee: \$110.

PSCI 254

Police Instructor

0.25-5.00 Credits Class 0.25-5.00 Lab 0.00 Theories of adult education, teaching techniques, lesson plan development, behavioral objectives, the proper use of training aids and objectives, evaluation and measurement.

PSCI 255

Peace Office Basic - Theory
12.00 Credits Class 4.00 Lab 24.00

Table 12.00 Credits Class 4.00 Lab 24.00 Lab 24.00 Lab 24.00 Lab 24.00 Class 4.00 Lab 24.00 Lab

PSCI 256 Peace Office Basic - Physical Skills 12.00 Credits Class 4.00

12.00 Credits Class 4.00 Lab 24.00
This course addresses physical skills required in the Ohio Peace Officer Training Commission Basic Peace Officer Training curriculum. Topics addressed are firearms, driving, subject control, first-aid, patrol, civil disorder, and physical conditioning disorder and physical conditioning. Includes APCO, Kubaton, OC spray certification. Offered: Fall. Course fee: \$500.

PSCI 260

Interviewing and Interrogation

2.00 Credits Class 2.00 Lab 2.00

Tactics and techniques of the art of interrogation. Emphasizes methods to properly and adequately solicit information to solve crime. Offered: Spring. Course fee: \$10.

PSCI 265

Crime Scene Management

4.00 Credits Class 2.00 Lab 5.00

4.00 Credits Class 2.00 Lab 5.00
This course is designed to provide an overview of managing traditional and non-traditional crime scene's from critical incident characteristics; incident command concepts; command post operations; hazardous incidents; major multi-scene operations; team work; working with fire, emergency medical services, multi law enforcement agencies, local and state emergency management agencies (EMA) and problems encountered by the incident commander Offered: Spring Course fee: \$50 tered by the incident commander. Offered: Spring. Course fee: \$50.

PSCI 270

Police Administration and Supervision

2.00 Credits Class 1.00 Lab 2.00 Introduction to the administration of policing agencies. Basic organizational and management principles and individual line and staff elements in terms of their purpose, organization and administration. Offered: Spring. Course fee: \$25.

PSCI 280 Criminalistics II

3.00 Credits Class 1.00 Lab 5.00

Scientific methods of investigation. Recognizing, gathering, preserving, evaluation and processing evidence. Includes the physical technologies used. Offered: Winter. Course fee: \$50.

PSCI 281

Criminalistics III

3.00 Credits Class 2.00 Lab 5.00

Procedures used to analyze evidence in the police laboratory. Practical application is used to study the procedures of taking evidence from the crime scene, processing evidence to establish association with known standards and applying results to the criminal justice system. Offered: Spring. Course fee: \$50.

PSCI 282
Police Science Current Topics
0.25-5.00 Credits Class 0.25-5.00 Lab 0.00
Current topics and issues as well as new developments in the field of law enforcement are reviewed, studied and discussed.

PSCI 283

Special Operations in Law Enforcement 5.00 Credits Class 5.00 Lab 5.00 Concepts and practices of special operations including

communications, team management, team movement and tactics, close quarter firing techniques, and first aid. Prerequisites: PSCI 250 A, PSCI 250 B, PSCI 250 C. Course fee: \$100.

PSCI 290

Police Science Special Topics

0.25-9.00 Credits Class 5.00 Lab 5.00

Structured exploration of a specific topic(s) by participants in a group.

PSCI 291

Police Science Individual Study 1.00–5.00 Credits Class 1.00–5.00 Lab 0.00 Individual study or research. Topics are arranged on an individual basis

with instructor permission.

PSCI 292

Police Science Field Experience

1.00-4.00 Credits Class 0.00 Lab 12.00-48.00 On-the-job training in a police facility through special arrangement with an instructor.

Police Science Cooperative Work. Experience

2.00-5.00 Credits Class 1.00 Lab 10.00-40.00

An on- or off-campus paid work experience coordinated by a faculty member with at least one on-site visit during the quarter. Each student must be enrolled in an on-campus seminar. One credit is awarded for a minimum of ten clock hours of work experience scheduled during a standard work week.

PSCI 296

Police Science Practicum

2.00-4.00 Credits Class 1.00-2.00 Lab 7.00-14.00 The student is placed in a work environment for a minimum amount of time to gain experience before graduation. Prerequisites: CJ 263, PSCI 106, PSCI 210, PSCI 235. Course fee: \$50.

Police Science Practicum - Communication

2.00 Credits Class 1.00 Lab 7.00

The student is placed in a work environment for a minimum amount of time to gain experience before graduation. Offered: Summer. Course fee: \$25.

PSCI 296 B

Police Science Practicum - Patrol

2.00 Credits Class 1.00 Lab 7.00

The student is placed in a work environment for a minimum amount of time to gain experience before graduation. Prerequisite: PSCI 296 A. Offered: Summer. Course fee: \$25.

Police Science Observation Hour

1.00-3.00 Credits Class 0.00 Lab 15.00-45.00 Participation in an educational experience as observers of practitioners representative of the occupational area. The student may participate at times in the actual work activity.

PSCI 298 Police Science Internship

3.00-6.00 Credits Class 0.00 Lab 40.00 On the job training in the work place of a cooperating agency. Coordinated by an instructor. Course fee: \$20.

#### **PSYC** Psychology

PSYC 101

General Psychology

5.00 Credits Class 5.00 Lab 0.00

A comprehensive and in-depth study of the theories and applications of psychology. The course consists of an overview of topics in the areas of both clinical and experimental psychology including memory, personality, consciousness, psychological bases of behavior, sensation and perception, motivation and emotion, human development, learning, abnormal behaviors and social processes. Offered: Fall. Course fee: \$7.

PSYC 115 Educational Psychology Class 3.00 Lab 0.00

Offered: Winter. Course fee: \$7.

PSYC 119 Women's Issues

1.00 Credit Class 1.00 Lab 0.00

Issues in the personal and professional growth of women. Each participant will explore individual feelings and attitudes toward these issues. Course fee: \$7.

PSYC 120 Women's Retreat

1.00 Credit Class 1.00 Lab 0.00

Addresses personal growth issues pertaining to women. With activities, films and literary reflections as components of the course, each woman has the opportunity to share as individuals and as group members. Course fee: \$7.

PSYC 123

Women's Lives Around the World

1.00 Credit Class 1.00 Lab 0.00

Themes and diversities in the lives of women in other parts of the world. Guest speakers from other cultural backgrounds will share their experience and knowledge on what it means to be women in their corners of the world. Course fee: \$7.

PSYC 140

Issues in Child Development

4.00 Credits Class 4.00 Lab 0.00 Child development issues are explored within four separate class modules: special needs children, developmentally appropriate discipline, communicating with children and adolescents and infancy. Offered: Spring. Course fee: \$7.

PSYC 140 A

Special Needs Children

1.00 Credit Class 1.00 Lab 0.00

Explores a sample of handicapping conditions, children's differences and the practices related to meeting their special needs. Course fee: \$2.

PSYC 140 B

Developing Appropriate Discipline

1.00 Credit Class 1.00 Lab 0.00

Principles and theories of child discipline based on developmentally appropriate practices. Course fee: \$2.

PSYC 140 C

Communicating with Children and Adolescents

Class 1.00 Lab 0.00 Techniques for communicating with children and adolescents to enhance social and emotional development. Theories of language development will be integrated. Course fee: \$2.

PSYC 140 D Infancy

1.00 Credit Class 1.00 Lab 0.00 Physical, emotional, social and cognitive development in infancy. Course fee: \$2.

PSYC 150 PACE

PSYC 150 Introduction to Psychology 2.00 Credits Class 3.00 Lab 0.00

Background, development and current thinking in the field of psychology. Overview of the major areas of psychology including both the theoretical and applied aspects of the following areas: memory, consciousness, intelligence, stress and coping, biological influences, and abnormal behavior. Offered: Summer, Fall, Winter, Spring. Course fee:

PACE

PSYC 150 A Introduction to Psychology Module A Class 1.00 Class 1.00

Lab 0.00 Basic concepts in psychology including an introduction to the field of psychology, research methods, memory, personality theories and assessment. Provides a broad overview of key terms, concepts and theoretical approaches which provide the groundwork for further study in the field of psychology. This module along with PSYC 150 B and PSYC 150 C is equivalent to the full 3 credit hour course, Introduction to Psychology. Offered: Summer, Fall, Winter, Spring. Course fee: \$2.

PACE

PSYC 150 B Introduction to Psychology Module B 1.00 Credit

Class 1.00 Lab 0.00

Basic concepts of psychology including consciousness and physiological psychology, motivation and emotion, and human development. Provides an overview of key terms, concepts and theoretical approaches. This module along with PSYC 150 A and PSYC 150 C is equivalent to the full 3 credit hour course, Introduction to Psychology. Offered: Summer, Fall, Winter, Spring. Course fee: \$2.

PSYC 150 C PACE

Introduction to Psychology Module C 1.00 Credit Class 1.00

Lab 0.00

Basic concepts in psychology including learning theories, psychological disorders, health, stress and coping. Provides an overview of key terms, concepts and theoretical approaches. This module along with PSYC 150 A and PSYC 150 B is equivalent to the full 3 credit hour course, Introduction to Psychology. Offered: Summer, Fall, Winter, Spring. Course fee: \$2.

PSYC 151 PACE

Developmental Psychology

Class 3.00 Lab 0.00

Physical, emotional, social and intellectual development of an individual from conception to death. Emphasizes normal growth and development of the individual with discussion of genetic and environmental factors that can cause developmental abnormalities. Offered: Summer, Fall, Winter, Spring. Course fee: \$7.

PSYC 152

PSYC 152 Abnormal Psychology Class 3.00 Lab 0.00

Characteristics of emotional disturbances, mental illnesses and related social deviance in the United States. Includes identification, diagnosis and treatment of mental disturbances. Offered: Summer, Fall, Winter, Spring. Course fee: \$7.

PSYC 154

Interpersonal Relationships

Class 3.00 Lab 0.00 Familiarizes the student with interpersonal processes. Aimed at

personal and professional growth and development leading to enhanced relationships in one's life and work. Offered: Summer, Fall, Winter, Spring. Course fee: \$7.

PSYC 160 Behavioral Sciences Statistics

Class 5.00 Lab 0.00

Introduces basic statistical measures employed in the behavioral sciences. Emphasis will be on core concepts and calculation of specific measures as well as appropriate application of those measures. Topics include measures of central tendency and dispersion, the normal distribution and confidence intervals, correlation and regression, sampling and hypothesis testing using t-test, ANOVA, Chi Square and various nonparametric tests. Course fee: \$7.

PSYC 162

Child and Adolescent Development

4.00 Credits Class 4.00 Lab 0.00

Explores physical, emotional, social and intellectual development of an

individual from conception through adolescence. Emphasis on normal growth and development with discussion of biological and environmental factors that influence development. Prerequisite: PSYC 150. Offered: Winter. Course fee: \$7.

PSYC 290

Psychology Special Topics 1.00–5.00 Credits Class

Class 1.00-5.00 Lab 0.00 Structured exploration of a specific topic(s) by participants in a group.

Course fee: \$7.

PSYC 291

PSychology Individual Study
1.00–5.00 Credits Class 1.00–5.00 Lab 0.00
Individual study or research. Topics are arranged on an individual basis with instructor permission. Course fee: \$7.

### Physical Therapist Assistant

PTA 100 Introduction to Physical Therapy

2.00 Credits Class 2.00 Lab 0.00

An introduction to health care in the United States, historically and An introduction to realth care in the office states, insortion currently, particularly as it relates to physical therapy and the roles of the physical therapist and physical therapist assistant. Provides an the physical therapist and polyhears existence. overview of the various health professionals and health care systems. Offered: Fall.

200

Fundamentals of Physical Therapy 4.00 Credits Class 3.00

Class 3.00

Lab 4.00 Basic patient handling skills including vital signs and pertinent emergency procedures, draping, positioning, bed mobility, transfers, body mechanics, assistive devices, wheelchair mobility and range of motion exercises. Includes bandages, dressings, wrapping, sterile and isolation techniques. Legal and ethical responsibilities and documentation are introduced. Prerequisite: Admission to PTA. Offered: Summer. Course fee: \$75.

PTA 203 Physical Therapy Procedures

Class 3.00 4.00 Credits Lab 4.00

The body's mechanisms for inflammation and repair and the physiologic and therapeutic effects of physical agents including superficial and deep heat, cryotherapy, hydrotherapy, topical agents, compression pump, continuous passive motion, massage and electrical stimulation. Includes the assessment of pain, sensation, and segmental length, girth and volume. Prerequisite: Admission to PTA. Offered: Summer. Course

PTA 204

Musculoskeletal Problems

4.00 Credits Class 3.00 Lab 4.00 Injury, disease and treatment of the musculoskeletal systems emphasizing orthopedic dysfunctions. Physiological and therapeutic effects of electrotherapy and traction. Principles are applied across age and diagnoses lines including pediatric and geriatric populations. Pharmacological interventions and actions are addressed. Prerequisites: PTA 200, BIOS 201, BIOS 202, PTA 203. Offered: Fall. Course fee: \$55.

206

PTA Clinical Experience I

Class 1.00 Lab 16.00

Skills acquired are applied in a clinical setting under the supervision of an instructor. Prerequisites: PTA 200, BIOS 201, BIOS 202, PTA 203. Offered: Fall. Course fee: \$25.

PTA Clinical Issues and Role Transition

Class 2.00 2.00 Credits Lab 0.00 Preparation for the transition from student to professional and review of the licensure exam. Prerequisites: PTA 210, PTA 214, PTA 216. Offered: Spring

PTA 210

Cardiopulmonary Function

Class 2.00 3.00 Credits Lab 3.00

Physiology of exercise, energy metabolism and principles of aerobic conditioning. Includes cardiorespiratory physiology, cardiac rehabilitation and pulmonary diseases and treatment. Methods of exercise training are reviewed. Pharmacological interventions and actions are included. Prerequisites: PTA 204, PTA 206, PTA 211. Offered: Winter. Course fee: \$35.

PTA 211

Pathophysiology of Disease

3.00 Credits Class 3.00 Lab 0.00 Various disease processes, particularly those seen in the physical therapy setting. Includes related pharmacology. Prerequisites: PTA 200, BIOS 201, BIOS 202, PTA 203. Offered: Fall.

PTA 214 Rehabilitation Procedures

5.00 Credits Class 4.00 Lab 4.00

Neuromuscular physiology, injury, disease and rehabilitation. Includes patient treatment following amputation. Principles are applied across age and diagnoses lines and include pediatric and geriatric populations. Pertinent pharmacological interventions and actions are discussed.
Prerequisites: PTA 204, PTA 206, PTA 211. Offered: Winter. Course fee:

PTA 216 PTA Clinical Experience II

5.00 Credits Class 1.00 Lab 16.00 Skills acquired to date are applied in a clinical setting under the supervision of a licensed physical therapist or physical therapist assistant. In the seminar, clinical experience and issues in physical therapy are discussed. Prerequisites: PTA 204, PTA 206, PTA 211. Offered: Winter. Course fee: \$25.

PTA Clinical Experience III

12.00 Credits Class 0.00 Lab 36.00 Full time clinical affiliation under the supervision of a licensed physical therapist or physical therapist assistant. Prerequisites: PTA 210, PTA 214, PTA 216. Offered: Spring. Course fee: \$25.

Physical Therapist Assistant Special Topics

0.25-5.00 Credits Class 0.00

Structured exploration of a specific topic(s) by participants in a group.

# Radiologic Technology

Clinical Education I

4.00 Credits Class 0.00 Lab 16.00 Orientation to hospital and radiology organization, radiographic procedures involved with the skeletal system, respiratory tract, and abdomen; introduction to competency performances, film analysis and presentation. Offered: Spring.

Clinical Education II

4.00 Credits Class 0.00 Lab 16.00

Radiographic positioning of gastrointestinal, biliary, and urographic procedures. Offered: Fall.

RAT 121

Introduction to Radiology and Positioning 4.00 Credits Class 3.00 Lab 2.00

Orientation to the field of radiography, history, x-ray production, image production, positioning upper extremities and chest. Offered: Winter.

Radiographic Positioning 4.00 Credits Class 3.00 Lab 2.00

Radiographic positioning of the lower extremities and axial skeleton; patient interactions and film analysis. Offered: Spring.

Fluoroscopy for Radiology

5.00 Credits Class 4.00 Lab 2.00

Positioning and procedures involved in gastrointestinal, genitourinary systems; fluoroscopy; use of contrast medias, reactions and technical considerations. Offered: Fall.

RAT 131

RAT 131
Patient Care in Radiology
Class 1.00 Lab 2.00

Legal and professional aspects, infection control, patient safety and assessment techniques related to care of the patient in radiography department. Offered: Winter.

199

Computers in Medical Imaging 2.00 Credits Class 2.0 Class 2.00 Lab 0.00 Overview of computers in medical imaging including hardware, software, peripheral devices. Its use in CT, MRI, digital imaging, computer-aided diagnosis, plus information and image management. Offered: Spring.

RAT 211

Clinical Education III

Class 0.00 4.00 Credits Lab 24.00 Continuation of clinical exposure to procedures involved with the gastrointestinal, genitourinary, skeletal, and respiratory systems with emphasis in disease; begin minor affilitate rotations, film analysis and presentation.

RAT 212

Clinical Education IV

Class 0.00 6.00 Credits Lab 24.00 Special radiographic procedures including tomography, angiography, myelography, mammography, CT scans and quality control measures; formulating technique; film critique and presentations. Offered: Winter.

RAT 213 Clinical Education V

6.00 Credits Class 0.00 Lab 24.00 Clinical exposure to sub-specialties and other career opportunities; continuation of routine and special radiographic procedures; film analysis and presentation. Offered: Spring.

Clinical Education VI

4.00 Credits Class 0.00 Lab 24.00 Total exposure to the hospital environment and performance of all functions of the radiographer in fluoroscopy, general and mobile radiography; completion of final competency assessments.

215

Pathology for Radiographers

2.00 Credits Class 2.00 Lab 0.00 Radiographic appearance of diseases and technique adjustments for both additive and destructive pathologies.

Special Procedures in Radiography

1.00 Credit Class 1.00 Lab 0.00 Procedures, supplies, and protocols involved with sub-specialty radiographic exams and angiography.

Advanced Radiographic Practice

2.00 Credits Class 2.00 Lab 0.00 Specialty practice considerations related to geriatrics, pediatrics, mobile, surgical and trauma radiography, and mammography. Offered: Winter.

RAT 219

Pharmacology for Radiography
1 00 Credit Class 1.00

Lab 0.00 General pharmacological principles as they pertain to the practice of radiography. Emphasis placed on major drug classes prescribed medically as well as those having specific indications in radiology. Offered: Winter.

RAT 222

Principles of Radiographic Technique

5.00 Credits Class 4.00 Lab 2.00 Principles of exposure formulation, image quality factors and variables, quality assurance and testing, film and image processing. Offered:

RAT 226

Synopsis in Radiography

Class 2.00 2.00 Credits Lab 0.00 Testing and preparation for the national registry examination. Synthesizing current knowledge in radiologic technology applicable to fluoroscopic, general and mobile radiography.

RAT 231

Sectional Anatomy

Class 2.00 3.00 Credits Lab 2.00 Human gross anatomy analyzing structures in the transverse (axial), sagittal, and coronal planes, with applications in modern medical imaging. Offered: Spring.

RAT 232 Radiation Biology

2.00 Credits Class 2.00 Lab 0.00 Fundamental principles of molecular and cellular effects of x-ray interaction, health physics and radiation protection.

Radiography Practicum

2.00-8.00 Credits Class 1.00 Lab 8.00-40.00

RAT 265

RAT 205 Seminar in Radiology Class 1.00 Lab 0.00

Current issues and developments in radiologic technology. Case studies of selected topics. Offered: Spring.

#### RE

#### Real Estate

RE 101 Real Estate Principles Class 4.00 Lab 0.00 Introduction to real estate as a business and profession. Includes license, law, ethics, purchase agreements, escrow and title work, advertising, appraisals, sales, market trends, taxes, assessments and the role and influence of real estate in the economy. Course fee: \$40.

RE 102 Real Estate Law

4.00 Credits Class 4.00 Lab 0.00 Legal phase of realty transactions from the listing of the property to the closing of the escrow. Review for owners, brokers, salesmen,

mortgage and escrow officers. Course fee: \$40.

Real Estate Finance

2.00 Credits Class 2.00 Lab 0.00

Financial instruments, availability of mortgage credit, risk analysis and federal agencies influencing real estate transactions. Course fee: \$40.

104

Real Estate Appraisal

2.00 Credits Class 2.00 Lab 0.00

Real estate appraisal concerns in estimating the value of property. Includes salvage, book, investment, aesthetic, sentimental, cash, replacement and market values; how these values are related to real property values and how appraisal values can then be used. Course fee:

290

Real Estate Special Topics

1.00-5.00 Credits Class 1.00-5.00 Lab 0.00

Structured exploration of a specific topic(s) by participants in a group.

RE

Real Estate Individual Study 1.00–5.00 Credits Class 1.00–5.00 Lab 0.00

Individual study or research. Topics are arranged on an individual basis with instructor permission.

### RECL

## Reclamation

RECL 222

Reclamation I

Class 2.00 Lab 3.00

Covers the accepted and prescribed techniques of land reclamation, regulations, pre-reclamation planning, measuring impacted areas, water management and revegetation. Offered: Fall.

RECL 223

Reclamation II 3.00 Credits

Class 1.00 Lab 6.00

Completion of a reclamation project including site analysis, obtaining permits and implementing the plan. Prerequisite: RECL 222. Offered: Winter. Course fee: \$30.

#### RNGR Ranger

RNGR 100

Focus on Ranger Services

1.00 Credits Class 0.00 Lab 3.00 An overview of the natural resources emergency services field.

Addresses agency identities and roles. Differentiates between Ranger

and Police, compares and contracts. Examines unique issues in field such as ARPA, environmental crimes, game law enforcement, and generalist/multiple role of rangers.

**RNGR 103** 

Introduction to Resource Protection

3.00 Credits Class 2.00 Lab 2.00 Examines the protection and stewardship of natural and cultural resources. May vary from insect infestation of timber stands to wastewater management to historic site preservation. Offered: Winter.

NR Information Technology and Equipment Operation 3.00 Credits Class 2.00 Lab 3.00

Overview of technology in field such as computerized reporting, GIS/GPS, advanced radio and data systems, videography, digital photography, environmental and criminal surveillance equipment, and data management. Offered: Fall.

**RNGR 109** 

NR Administration and Management 3.00 Credits Class 3.00 Lab 0.00 Reviews the administrative to monitoring subcontractors and for-fee users. Emphasis on permits as a management tool. Offered: Fall.

RNGR 113

HNGK 113
How to Get Government Jobs
1.00 Credit Class 1.00 Lab 0.00
How to accurately complete U.S. government employee application form 171, with related forms, and National Park Service seasonal employment application form 10–139, with related forms. Includes basic principles for filling out various state and metropolitan park employment applications. Course fee: \$30.

**RNGR 123** 

Rappelling and Rope Techniques

1.50 Credits Lab 2.25 Class 0.75

Familiarization with the principles of rappelling. Includes lab experience. Offered: Spring. Course fee: \$55.

**RNGR 126** 

Search and Rescue Introduction

1.00 Credit Class 1.00 Lab 0.00 Introduction to Search and Rescue course is a National Association for Search and Rescue (NASAR) course designed to provide knowledge concerning the general responsibilities, the skill and abilities, and the equipment needed by persons who would be participating in a search or rescue mission. The course content includes topics in three major areas: Searcher survival, search, and rescue. The course is based around the rural and wilderness environments but the material is recomthe rural and wilderness environments but the material is recommended as a basis for all Search and Rescue (SAR) environments. The Introduction to Search and Rescue is a stepping stone to higher level courses of training for emergency personnel. It provides a common starting point in training for the new person to SAR and in many cases, an excellent refresher course for the more experience SAR worker. This common starting point provides continuity during SAR operations and future training of all team members. The course is also designed to prepare the student for certification, according to the knowledge objectives defined in the NASAR standards for SAR Technician III. Offered: Winter. Course fee: \$90.

**RNGR 160** 

Survival Techniques for Wilderness Areas

3.00 Credits Class 2.00 Lab 3.00

An introduction to wilderness survival techniques, including compass and map reading, construction of emergency shelters, controlled fires, personal hygiene in the wilderness setting, preparation of native foods, survival medical treatment and health care techniques. Course fee: \$120.

**RNGR 161** 

Impact Weapons

Class 0.00 Lab 3.00

This 40 clock hour course will expose the particulars of the tactically and socially acceptable application of the Kubotan, Side Handle Baton (PR-24), Straight Baton, and Expandable Baton (ASP) in law enforcement usage. Classroom practice sessions and individual study will be conducted to develop and refine within the participant the requisite the hand and eye coordination and to begin the development of muscle memory lock. A written examination and practical assessment will follow instructor demonstrates and individual practice for each of the impact weapons to be addressed. This program is competency-based. Mere participation does not automatically assure successful completion. The Force Continuum, Relative Positioning Danger Zones and Target Areas will be presented. Safety and liability

issue will be discussed and adhered to throughout this program. Course fee: \$85.

**RNGR 210** 

Defensive Pistolcraft 0.50 Credit

Class 0.50 Lab 0.00 Covers modern techniques of the handgun including grip, stance and position, sighting, and trigger control with emphasis on proper technique of the presentation stroke. Proper weapon handling including administrative loading, down loading, immediate actions and tactical manipulation of the handgun are discussed, demonstrated and drilled. Develops skill, knowledge, and a practical experience necessary to become safe, responsible, and effective in the use of the handgun for self-defense. Course fee: \$200.

**RNGR 212** 

Advanced Defensive Pistolcraft 1.00 Credit Class 1.00

Class 1.00 Lab 0.00 A defensive application of the handgun, shotgun and urban rifle with evaluation and development of handgun and shotgun skills, including live-fire steel plate precision shooting, discretionary shooting and tactical drills. Prerequisite: CJ 211. Course fee: \$200.

RNGR 213 Urban Defensive Rifle and Shotgun

0.75 Credit Class 0.75 Lab 0.00 A defensive application of the shotgun and urban rifle with live-fire steel plate precision shooting, discretionary shooting and tactical drills employ the Duelatron Electronic Targeting System and Action Target's Mover. Rifle poppers and reactionary plates are employed at urban ranges. Action Target's 3-D Balloon Targets are used throughout the program. Attention is placed on low light shooting with all three weapon systems. Provides the student with the skills, knowledge and practical experience necessary to become safe, responsible and effective in the use of the shotgun and urban rifle for self-defense. Prerequisite: Instructor permission. Course fee: \$290.

RNGR 226

Vertical Rope Rescue

Class 0.75 1.25 Credits Lab 1.50 Examination of training exercises in rope rescue techniques. Covers rescue of persons injured and/or stranded on ledges, over cliffs, etc. Emphasizes teamwork, proper use, care and storage of equipment and safety procedures. Includes Z drags, high lines and tyrolean traverses

for the raising and lowering of victims, equipment and the rescuer. Prerequisite: RNGR 123. Offered: Spring. Course fee: \$85.

**RNGR 230** 

Intermediate Rescue Rigging

1.00 Credit Class 0.50 Lab 2.00 In-depth examination of rope rescue technique and equipment with the rescue of persons injured or stranded on ledges, over cliffs, buildings, water towers or hanging from any height from rope or fall protection, etc. Teamwork is emphasized throughout. Includes lower/haul systems, belay systems, a-frames, gin poles, load vectoring on guiding lines and highlines for the extraction and manipulation of victims, equipment the rescuer. Proper selection, use, care and storage of the equipment is stressed. Safety procedures and practices are included. Prerequisite: RNGR 226. Course fee: \$65.

RNGR 238

Ranger Academy

24.00 Credits Class 0.00 Lab 0.00 Prepares the learner for law enforcement positions with natural resources agencies in Ohio and for seasonal positions with the National Park Service and U.S. Fish and Wildlife Service. Successful completion certifies the student as having completed both the Ohio Peace Officer Basic Training and the Seasonal Officer Training curriculum. Course fee:

**RNGR 238 A** 

Ranger Academy - Theory

12.00 Credits Class 0.00 Lab 0.00

Offered: Fall, Winter. Course fee: \$522.

RNGR 238 B

Ranger Academy - Skills

12.00 Credits Class 0.00 Lab 0.00

Offered: Fall, Spring. Course fee: \$521.

RNGR 270

Land Navigation

1.00 Credit Class 1.00 Lab 0.00 Provides an opportunity to learn and practice skills necessary to navigate from point to point on the earth's surface. Course fee: \$30. RNGR 275

Advanced Survival Techniques

3.00 Credits Class 2.00 Lab 3.00 Covers natural environments, including mountains, desert, arctic, tropic and ocean as well as required equipment of human survival for each. The student develops a survival kit and uses that kit for several days in mountainous back country or at a local site. Prerequisites: INTP 250, INTP 258, RNGR 160. Course fee: \$25.

**RNGR 294** 

Ranger Services Cooperative Work Experience 6.00 Credits Class 2.00 La

Lab 40.00

An on- or off-campus paid work experience coordinated by a faculty member with at least one on-site visit during the quarter. Each student must be enrolled in an on-campus seminar. One credit is awarded for a minimum of ten clock hours of work experience scheduled during a standard work week.

**RNGR 296** 

Ranger Services Practicum
2.00–7.00 Credits Class 1.00 Lab 7.00
The student is placed in a work environment for a minimum amount of time to gain experience before graduation.

**RNGR 298** 

Ranger Services Internship 6.00-9.00 Credits Class

Class 3.00 Lab 20.00-40.00

SEPS Security

SEPS 201 VIP Protection

1.00 Credit

Class 1.00 Lab 2.00

Executive protection functions and responsibilities. Includes special areas of security procedures, terrorism, authority, communication, emergency procedures, post, patrols, advances and travel. Course fee:

SEPS 205

SEPS 205 Correctional Security Class 3.00 Lab 0.00

Maintaining security in a criminal justice setting. Focus on the relationship between security and treatment, various roles of security within criminal justice agencies and security technology. Security practices to be studied include theory of searches, restraining procedures and offender supervision. Prerequisite: CORR 100. Offered: . Winter. Course fee: \$15.

### SOCI Sociology

SOCI 101

General Sociology

5.00 Credits Class 5.00 Lab 0.00

Comprehensive introduction to sociology as a •••. Includes an analysis of the impact of social forces on society and on human behavior. Major theoretical perspectives are applied to an analysis of culture, socialization, social organizations, groups, social interaction, and deviance. Traditional textbook material is supplemented by sociological readings. Offered: Fall. Course fee: \$7.

SOCI 120

Parenting Issues

1.00 Credit Class 1.00 Lab 0.00

Focus on issues in parenting. Attention is given to acquiring skills to improve parent-child relationships. Course fee: \$7.

SOCI 152

Comparative Cultural Studies

3.00 Credits Class 2.00 Lab 2.00

Compares cultures of America and other countries including essential cultural information to travel and do research in another country. By going abroad, students experience the similarities and differences in national cultures and increase skills in relating effectively to people from diverse backgrounds. Course fee: \$7.

SOCI 153 Social and Cultural Awareness

4.00 Credits Class 4.00 Lab 0.00

Exploration, development, and understanding of social science skills and the different kinds of human interactions within various cultural contexts and global settings. Offered: Fall, Spring. Course fee: \$7.

SOCI 160

Introduction to Sociology

3.00 Credits Class 3.00 Lab 0.00 Overview of sociology and its contributions to our understanding of human behavior and human society. Topics include a consideration of culture, the socialization process, social structure, and social interaction as well as an overview of major social institutions. Offered:

Summer, Fall, Winter, Spring. Course fee: \$7.

SOCI 161

Sociology of Family Living

3.00 Credits Class 3.00 Lab 0.00

Examines marriage and family as social institutions in American society. Topics emphasized are family composition, gender roles, foundations of marriage, mate selection, communication, life cycles of the family, parenting and family dysfunctions. Also includes some cultural comparisons of various family and marriage forms. Offered: Summer, Fall, Winter, Spring. Course fee: \$7.

SOCI 165 Cross Cultural Studies

3.00 Credits Class 3.00 Lab 0.00 Introduces the student to similarities and differences of people of various racial and cultural heritages. Provides the student with the

knowledge of how to relate to people of diverse cultural backgrounds. Offered: Summer, Fall, Winter, Spring. Course fee: \$7.

Human Relations in Organizations 3.00 Credits

Class 3.00 Lab 0.00

Develops concepts, skills and techniques essential to workplace relations from perspective of the employee. Emphasizes effective communication skills, personal behavior development techniques. cultural, ethical and legal issues in the changing environment. Offered: Summer, Fall, Winter, Spring. Course fee: \$7.

SOCI 290

Sociology Special Topics 0.50-5.00 Credits Cla

Class 1.00-5.00 Lab 0.00

Structured exploration of a specific topic(s) by participants in a group. Course fee: \$7.

SOCI 291

Sociology Individual Study

1.00-5.00 Credits Class 1.00-5.00 Lab 0.00

Individual study or research. Topics are arranged on an individual basis with instructor permission. Course fee: \$7.

# Surgical Technology

100

Fundamentals of Surgical Technology Lab

2.00 Credits Class 0.00 Lab 4.00 This course will provide an in-depth introduction of the roles and responsibilities of the Surgical Technologist as an important professional in the delivery of surgical services. Introduction to the surgical environment will include professional, legal and ethical considerations, interpersonal relationships, communication skills, and basic operating room safety. This course will also provide introduction to the principles of aseptic techniques, scrubbing, gowning, gloving, sterilization, disinfection and operating room sanitation. Peri-operative intervention discussions include positioning, draping techniques and related surgical technologist procedures. The surgical use of instrumentation, sutures, needles, sponges, syringes, and hypodermic needles will be investigated while specifying the duties and responsibilities of the surgical technologist. Offered: Fall. Course fee: \$50.

Patient Care Concepts Laboratory

2.00 Credits Class 0.00 Lab 4.00
This course is designed to enable the student to become skilled in assisting with the preparation, transporting, positioning, and anesthesia of the surgical patient. Skills included in this course are: aseptic technique, positioning, skin preparation, care of specimens, use of thermo-regulatory devices, vital signs, handling of blood replacement

components, urinary catheterization, and emergency procedures. Offered: Fall. Course fee: \$50.

110

Basic Case Preparation- Lab

1.00 Credit Class 0.00 Lab 2.00 This laboratory course is designed to build on the student's knowledge of basic surgical technology skills, professionalism, and ethics. The role of the surgical technologist is developed and applied in laboratory procedures. Prerequisites: STCT 4633 and STCT 4631. Offered: Winter.

Surgical Procedures I - Clinical

3.00 Credits Class 0.00 Lab 15.00
This course is designed to build on the student's knowledge of basic surgical techniques, professionalism and ethics. The role of the surgical technologist is developed and applied in basic surgical procedures. The principles of asepsis and patient care concepts of positioning, prepping, draping, and procedural techniques are applied directly to the investigation of general, gastrointestinal, obstetrics, gynecological and orthopedical surgical procedures. Maintaining the integrity, safety and efficiency of the sterile and non-sterile areas throughout surgical procedures will be emphasized. Prerequisites: STCT 4633 and STCT 4631. Offered: Winter. Course fee: \$25.

Surgical Procedures II – Clinical
3.00 Credits Class 0.00 Lab 15.00
This course is designed to build on the student's knowledge of surgical technology with emphasis on clinical surgical applications in ophthalmic, ear/nose/throat, dental/oral/maxillofacial, plastic and reconstructive and neurological surgical procedures. Emphasis is on further development of surgical skills. Prerequisites: STCT 4639 and ST 111. Offered: Spring. Course fee: \$25.

ST 200 Surgical Procedures III - Clinical

3.00 Credits Class 0.00 Lab 15.00
This course is designed to build on the student's knowledge of surgical technology with emphasis on clinical surgical applications in thoracic, cardiovascular, peripheral vascular, and urologic surgical procedures. Emphasis is on further development of surgical skills. Prerequisites: STC 4639 and ST 120. Offered: Summer. Course fee: \$25.

Pediatric Surgery - Clinical

Pediatric Surgery – Clinical
1.00 Credit Class 0.00 Lab 5.00
This course is designed to build on the student's knowledge of surgical technology with emphasis on clinical surgical applications. Clinical experiences will emphasize adapting pediatric concepts in the surgical setting. Students will be given the opportunity to scrub in these pediatric specialty surgeries: general surgery, urology, orthopedic, neurosurgery, thoracic surgery, cardiovascular surgery, ophthalmology, plastic surgery, and ENT surgery. Prerequisites: STCT 4639 and ST 200. Offered: Summer. Course fee: \$25.

Advanced Surgical Technologist Practicum - Clinical

3.00 Credits Class 0.00 Lab 15.00
This course is designed to build on the student's knowledge of surgical technology with emphasis on clinical surgical applications. Students are expected to work with on preceptor during this course, and are expected to perform in the clinical practice with minimal assistance. Prerequisite: STCT 4643, ST 201, STCT 4641, ST 200. Offered: Fall. Course fee: \$25.

220

Specialty Surgical Practice - Clinical

Class 0.00 Lab 15.00 This course is designed to build on the student's knowledge of surgical technology with emphasis on two specialty clinical surgical applications. Students are expected to select two specialty areas and focus on those surgical areas. Prerequisites: STCT 4647, STCT 4645, ST 210. Offered: Winter. Course fee: \$25.

## Surgical Technology

Human Anatomy and Physiology I – Theory (COTC 4016)
5.00 Credits Class 5.00 Lab 0.00
Introduction to the study of the anatomy and physiology of the human, including standard terminology, chemistry review, cells and tissues, with the structure and function of the integumentary system, skeletal system, muscular system, nervous system, excretory system, and reproductive system. Laboratory includes the study of human cadavers. Offered: Fall.

Human Anatomy and Physiology II - Theory (COTC 4026)

**5.00 Credits** Class **5.00** Lab **0.00** Continued study of the anatomy and physiology of the human, including the structure and functions of the gastrointestinal system, cardiovascular system, lymphatic system, respiratory system, endocrine system, genetics, and embryology. Laboratory includes the study of human cadavers. Prerequisites: STCT 4016 and BIOS 110. Offered: Winter.

STCT 4601

Pharmacology for Surgical Assistants (COTC 4601) 3.00 Credits Class 3.00 Lab 0.00 Prerequisites: STCT 4635 and STCT 4637. Offered: Spring.

STCT 4631

Fundamentals of Surgical Technology - Theory (COTC 4631)

3.00 Credits Class 3.00 Lab 0.00
This course is an introduction to Surgical Technology. Different types of health care facilities, the roles of the different surgical team members and aspects of the physical environment of the surgical suite are studied. The history of the development of surgery as well as ethical moral, and legal responsibilities is discussed. In this course, the student will also discuss communication skills, interpersonal and interdepartmental relationship skills needed. Offered: Fall. Course fee: \$26.

STCT 4633

Patient Care Concepts - Theory (COTC 4633)
3.00 Credits Class 3.00 Lab 0.00
The students will be introduced to the layout of the operating room suite, sterile and sub-sterile areas. The importance of skin preparation, positioning and anesthesia of surgical patients will be discussed. The students will also be introduced to aseptic technique, care of specimen, use of thermoregulatory devices, vital signs handling of blood replacement components, urinary catheterization, and emergency procedures. Offered: Fall. Course fee: \$26.

Basic Case Preparation – Theory (COTC 4635)
2.00 Credits Class 2.00 Lab 0.00
This course builds on the previously acquired knowledge of human anatomy and physiology, introduction to surgical technology, basic instrumentation, surgical equipment and supplies; sutures and stapling devices will be discussed and demonstrated. Students will learn the proper care, handling, use and assembly of instruments and equipment. Also discussed during this course will be draping techniques and maintenance of the sterile field. Prerequisites: STCT 4633 and STCT 4631. Offered: Winter.

STCT 4637

Surgical Procedures I – Theory (COTC 4637) 2.00 Credits Class 2.00 Lab 0.00 This course is designed to acquaint the student with the operating room procedures and techniques necessary to function as an assistant in the operating room. Discussed during this course will be relevant anatomy, indications for surgery, special equipment and supplies, purpose and expected outcome and possible complications for procedures in the following surgical specialties: general and gastrointestinal, obstetric and gynecologic and orthopedic. Students will have clinical experiences in the above areas, functioning as a second scrub, first scrub or assistant circulator under the supervision of a certified surgical technologist or registered nurse. Prerequisites: STCT 4633 and STCT 4631. Offered: Winter.

STCT 4639 Surgical Procedures II - Theory (COTC 4601)

2.00 Credits Class 2.00 Lab 0.00
This course is an extension of Surgical Procedures I. Discussed during this course will be the relevant anatomy, indications for surgery, special equipment and supplies, purpose and expected outcome and possible complications for procedures in the following surgical specialties: opthalmic, ear/nose/throat, dental/oral/maxillofacial, plastic and reconstructive and neurologica surgery. Prerequisites: STCT 4637 and ST 111. Offered: Spring.

STCT 4641

Surgical Procedures III - Theory (COTC 4641)

2.00 Credits Class 2.00 Lab 0.00
This course is an extension of Surgical Procedures II A and B. Discussed during this course will be the relevant anatomy, indications of surgery, special equipment and supplies, purpose and expected outcome and possible complications for procedures in the following surgical specialities: thoraic cardiovascular, peripheral vascular, and urologic. Students will have clinical experience in the above areas, functioning as a second scrub, first scrub, or assist circulator under the supervision of a certified surgical technologist or registered nurse. Prerequisites: STCT 4639 and ST 120.

STCT 4643

Pediatric Surgery - Theory (COTC 4643)

2.00 Credits Class 2.00 Lab 0.00
This a full-term course designed to acquaint the student with the pediatric patients and a variety of surgical procedures unique to the pediatric patients. Prerequisites: STCT 4639 and ST 120.

Advanced Surgical Technologist Practicum (COTC 4645)

2.00 Credits Class 2.00 Lab 0.00
This a full-term course focusing on continuing surgical theory. It provides study of special problems that correlate with the individual needs and interests of the students during clinical practice. Clinical supervised practice is an integral part of this course. Prerequisites: STCT 4643, ST 201, STCT 4641, ST 200. Offered: Fall.

STCT 4647

Professional Trends and Issues in Surgical Technology (COTC 4647)

3.00 Credits Class 3.00 Lab 0.00
This course is designed to prepare the student for the workplace. Topics discussed will be: factors that affect the student's personal life, professional relations and organizations, preparation for the national certification examination, type of health care delivery agencies, accrediting agencies and job-seeking skills. Prerequisites: STCT 4641 and STCT 4643. Offered: Fall.

STCT 4649

Surgical Technology Seminar (COTC 4649)

Surgical Technology Seminar (COTC 4649)
2.00 Credits Class 2.00 Lab 0.00
This course is designed to provide the correlation between previously learned concepts and clinical application. It is designed to aid in transition from surgical technology student to entry level surgical technologist. Topics discussed in this course include general, OB/GYN, vascular, GU, cardiothoracic, plastic and opthalmology surgeries. Requirements for ethical and legal practice as defined by the National Association of Surgical Technologists will be reviewed and discussed. Prerequisite: STCT 4647. Offered: Winter.

STCT 4651

Speciality Surgical Practice Theory (COTC 4651)

2.00 Credits Class 2.00 Lab 0.00
This course is a continuation of 4647 with additional surgical specialities presented. For example: Transplant surgery, trauma, ophthalmology, cardiac surgery, orthopedic, plastic and neurology surgery. The student will select two specialty areas and specialize in those areas. The student will be expected to transfer and build on previous content and experiences. Prerequisite: STCT 4647. Offered: Winter.

#### **SUPR** Supervision

SUPR 117

PACE

Hospitality Supervision

3.00 Credits Class 3.00 Lab 0.00

Effective supervision of employees. Focuses on basic principles such as recruiting, interviewing, discipline, motivation and leadership styles. Offered: Summer, Fall, Winter, Spring.

**SUPR 136** 

Outdoor Leadership Development

Class 2.00 3.00 Credits Lab 3.00 Interpersonal aspects of field station operation and cross-cultural experiences. Emphasis is on outdoor leadership skills, cultural interactions, and interpretive methods as they apply to ecotourism and adventure travel. Offered: Fall. Course fee: \$361.

SUPR 212 Industrial Supervision Class 3.00 Lab 0.00

Working relationships among personnel involved in production areas of manufacturing including qualifications and characteristics expected for various positions. Offered: Spring. Course fee: \$5.

SUPR 235

Supervision and Leadership

Class 3.00 3.00 Credits Lab 0.00

Designed for managers and supervisors who enter at the first line of management and supervision. Introduces the managerial processes of planning, organizing, staffing, directing and controlling. Offered: Winter, Spring.

SUPR 236

Outdoor Leadership Skills

1.00 Credit Class 1.00 Lab 0.00 Designed for the outdoor leader, this class enables both the experienced and inexperienced leader to identify, develop and successfully incorporate leadership skills into the leader's own style of leadership. Focuses on definable leadership skills and how they are interrelated to develop a practical leadership style. Course fee: \$25.

SUPR 290

Supervision and Leadership Special Topics

1.00-5.00 Credit Class 1.00-5.00 Lab 0.00

Structured exploration of a specific topic(s) by participants in a group.

# Timber Harvesting

THS 290

Timber Harvesting Special Topics

1.00-5.00 Credit Class 1.00-5.00 Lab 0.00

Structured exploration of a specific topic(s) by participants in a group.

#### THTC Timber Harvesting/Tree Care

THTC 100 Timber Harvesting and Tree Care I

6.00 Credits Class 2.00 Lab 12.00

Offered: Fall. Course fee: \$135.

THTC 101

Timber Harvesting and Tree Care II

6.00 Credits Class 2.00 Lab 12.00

Prerequisites: THTC 100. Offered: Fall. Course fee: \$135.

THTC 102

Timber Harvesting and Tree Care III

6.00 Credits Class 2.00 Lab 12.00

Prerequisite: THTC 101. Offered: Fall. Course fee: \$135.

THTC 200

Timber Harvesting and Tree Care IV

6.00 Credits Lab 12.00 Class 2.00

Prerequisite: THTC 102. Course fee: \$135.

THTC 201

Timber Harvesting and Tree Care V

6.00 Credits Class 2.00 Lab 12.00

Prerequisite: THTC 200. Course fee: \$135.

THTC 202

Timber Harvesting and Tree Care VI

12.00 Credits Class 4.00 Prerequisite: THTC 201. Course fee: \$135. Lab 24.00

#### TRAV Travel

TRAV 294

Travel and Tourism Cooperative Work Experience

1.00–4.00 Credits Class 0.00 Lab 10.00–40.00
An on- or off-campus paid work experience coordinated by a faculty member with at least one on-site visit during the quarter. Each student must be enrolled in an on-campus seminar. One credit is awarded for a minimum of ten clock hours of work experience scheduled during a standard work week.

TRAV 295

Travel and Tourism Practicum

1.00 Credit Class 1.00 Lab 0.00 Consists of a minimum of nine hours and maximum of 40 hours per

week internship working in a travel agency.

#### TRC Tree Care

TRC 110 Climbing I

3.00 Credits Class 1.00

Lab 6.00

An orientation to basic climbing equipment and its proper use in tree forestry, including saddles, climbing ropes and knows for the beginning climber. Concurrent with TRC 112, TRC 113 and TRC 115. Course fee: \$

85.

TRC 112

Mechanics of Tree Care

3.00 Credits Class 2.00 Lab 3.00 Covers common problems affecting trees and treatments of these problems including tree surgery. Concurrent with TRC 110, TRC 113 and TRC 115. Course fee: \$ 50

Tree Care Equipment

3.00 Credits Class 2.00 Lab 3.00 Covers selection, use and maintenance of hand tools used in tree equipment including chainsaws, chipper trucks, chipper, spray rig and stump grinder. Concurrent with TRC 110, TRC 112 and TRC 115. Course

TRC 115 Climbing II

3.00 Credits Class 2.00 Lab 3.00 Covers development of climbing skills with an emphasis on efficient 3.00 Credits

movement in the trees, rigging and lowering techniques for pruning, topping and tree removal and use of chainsaw in trees. Concurrent with TRC 110, TRC 112 and TRC 113. Course fee: \$ 75.

TRC 120

Landscaping Fundamentals

3.00 Credits Class 3.00 Lab 0.00

Studies the horticultural requirements of residential and recreational areas and analyzes the landscape to fit an individual's needs, whether to aesthetically enhance the area or to solve a problem. Investigation involving soils, lawn establishment, site modification, cost estimation for landscape construction, principles of landscape design, maintaining the landscape design and ornamentals are covered.

### **WLM** Wildlife Management

WLM 139 Field Ecology

3.00 Credits Class 2.00 Lab 3.00

The fundamental concepts of ecology are illustrated by the study of various plant communities. Analysis of oligotrophic lake systems is by invertebrate sampling and water testing. Prerequisites: BIOS 132, BIOS 109, NRM 121. Course fee: \$660.

Wildlife Investigative Techniques I

3.00 Credits Class 2.00 Lab 3.00 Life history, habitat, and distribution of common animals of the east central United States, including sexing and aging techniques, waterfowl identification, track and scat identification, and mammal identification. Offered: Fall, Winter, Spring. Course fee: \$35.

WLM 162 Winter Weeds

1.00 Credit Class 1.00 Lab 0.00 Studies winter identification techniques for common plants, with emphasis on herbaceous and shrubby species. Course fee: \$15.

WLM 163

Black Bear Management II 1.00 Credit

Class 1.00 Lab 2.00

A field experience to assist bear biologists with their winter bear den work, this course introduces students to current management and research techniques. Prerequisite: WLM 170. Course fee: \$105.

WLM 170 Black Bear Management I

3.00 Credits Class 3.00 Lab 0.00 Studies black bear evolution, distribution, taxonomy, life history, habitat and population management and presents techniques for capture and handling of bears, and investigation and resolution of bear-human conflicts. Course fee: \$60.

WLM 171 White Tail Deer Management I

3.00 Credits Class 3.00 Lab 0.00 Studies biology and management of the white tail deer in the United States and details the difference between quantity, quality and trophy management systems. Course fee: \$60.

WLM 172

White Tail Deer Management II 1.00 Credit Class 1.00

Lab 0.00 A hands-on field application course in which students describe and

implement deer management plans including habitat manipulation and quality deer management. Prerequisite: WLM 171. Course fee: \$60.

Wildlife Field Research

3.00 Credits Class 1.00 Lab 6.00 Participants function as a team while collecting data for wildlife research projects. Field work may include radiotelemetry, live trapping, raptor hacking, plant species inventories and migratory bird banding. Prerequisites: REC 122 and REC 136 or instructor permission. Course

WLM 208

Aquatic Field Sampling of Southeast Ohio 1.00 Credit Class 0.00 Lab 3.00 Studies field sampling techniques for aquatics systems in Southeast Ohio including sampling using seines and electroshocking. Prerequisite: REC 161. Course fee: \$5.

Wildlife Management I

3.00 Credits Class 2.00 Lab 3.00 Cover the theory and techniques of wildlife management with emphasis on forest game, including habitat evaluation, habitat management planning, species management, censusing, population dynamics, aging and sexing, wildlife and waterfowl identification. Offered: Fall, Winter. Course fee: \$10.

WLM 239

Wildlife Management II

4.00 Credits Class 2.00 Lab 6.00 Discusses techniques of manipulating wildlife populations through management including field work in public wildlife areas. Prerequisites: NRM 110, NRM 130, WLM 215. Offered: Spring. Course fee: \$50.

WLM 241 Ohio Birds of Prey

1.00 Credit Class 1.00 Lab 1.00 Emphasis on the life histories of identification characters, habitat, typical prey and general breeding biology. Applicable aging and sexing techniques, basic census methods and the distribution of selected species are discussed. Lab work includes an auditory census of owls and field identification of local raptors using field marks, silhouettes, flight patterns and pellet analysis. Course fee: \$40.

WLM 245 Wildlife Investigative Techniques II

3.00 Credits Class 2.00 Lab 3.00 Offered to those who completed REC 136 and have completed field data collection techniques and seek to enhance supervisory skills. Offered: Spring. Course fee: \$35.

WLM 249 Western Game Animals Class 3.00 Lab 0.00 Covers the life history, habitats and distribution of western North American game birds and mammals. A few non-game mammals are included to represent that segment of the western fauna.

WLM 251

Ecology and Management of Waterfowl 3.00 Credits Class 3.00

Class 3.00 Lab 0.00 Habitat requirements, management techniques, ranges and migration

patterns, management history and problems, diseases and identification of the waterfowl resources of North America are discussed. Course fee: \$10.

WLM 270

Field Ichthyology - Lentic Investigation

3.00 Credits Class 1.00 Lab 6.00 Covers field operations, including sampling of oligiotropitic (cold water) systems of northern environments. Field work will include: fish identification and population dynamics. Assignments will be through the use of electro-shocking, gill netting, trap netting, water chemistry,

evaluation and biostatistics. Prerequisites: REC 161, REC 238 or with instructor permission. Course fee: \$60.

WLM 294

Wildlife Management Cooperative Work Experience

6.00 Credits Class 2.00 Lab 40.00 An on- or off-campus paid work experience coordinated by a faculty member with at least one on-site visit during the quarter. Each student must be enrolled in an on-campus seminar. One credit is awarded for a minimum of ten clock hours of work experience scheduled during a standard work week.

WLM 296
Wildlife Management Practicum
2.00–7.00 Credits Class 1.00 Lab 7.00
The student is placed in a work environment for a minimum amount of time to gain experience before graduation.

WLM 298 Wildlife Management Internship 6.00-9.00 Credits Class 3.00 Offered: Summer.

Lab 20.00-40.00