

Neumann University Program Assessment Plan

Program Name: Mathematics	Submitted by: Ed Milliner
Division: Arts & Sciences	3-Year Cycle Span: AY 2019-2022

Student Learning Outcome Upon successful completion of the <u>Mathematics</u> Program, the student will:	LO 1 Perform complex calculations through the appropriate use of algorithm or strategy. Bloom: Calculate	LO 2 Apply the appropriate skills and theorems to solve pure and applied mathematics problems. Bloom: Apply	LO 3 Interpret formal mathematical writing and proofs of common theorems. Bloom: Interpret	LO 4 Develop patterns, conjectures, and inferences based on data and/or theoretical results. Bloom: Develop	LO 5 Justify conclusions through inductive and deductive methods. Bloom: Justify
Core Learning Outcome(s):	Comprehension Communication	Comprehension Communication	Comprehension Communication	Comprehension Communication	Comprehension Communication
Related IDEA Objective(s):	1, 8, 13	3, 13	1, 11	1, 3, 13	3, 8, 11
Course Mapping:	Formative: MATH 110, 250, 251, 275, 290, 350, 351 Summative: MATH 360, 372, 373, 405	Formative: MATH 110, 250, 251, 275, 290, 325, 350, 351, 360, 372 Summative: MATH 373, 375, 380, 405, 460; A&S 495	Formative: MATH 290, 360, 375 Summative: MATH 380, 405, 460; A&S 495	Formative: MATH 290, 325, 372, 375 Summative: MATH 373, 380, 405, 460	Formative: MATH 275, 290, 350, 351, 360, 372, 373 Summative: MATH 375, 380, 405, 460
Academic Year for Assessment	2020-2021	2020-2021	2019-2020	2021-2022	2019-2020
Formative Assessment	Math 250 Final Exam 70% of students will achieve Developing or higher on the Math Rubric and at least 50% at Accomplished or higher. Math 251 Final Exam 70% of students will achieve Developing or higher on the Math Rubric and at least 50% at Accomplished or higher.	Math 275 Final Exam 70% of students will achieve Developing or higher on the Math Rubric. Math 325 Data Analysis Project 70% of students will achieve Developing or higher on the Math Rubric.	Math 290 Final Exam 70% of students will achieve Developing or higher on the Math Rubric. Math 375 Final Exam 70% of students will achieve Developing or higher on the Math Rubric.	Math 325 Data Analysis Project 70% of students will achieve Developing or higher on the Math Rubric. Math 372 Final Exam 70% of students will achieve Developing or higher on the Math Rubric.	Math 290 Final Exam 70% of students will achieve Developing or higher on the Math Rubric. Math 350 Final Exam 70% of students will achieve Developing or higher on the Math Rubric.

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<p>Summative Assessment</p>	<p>Math 360 Final Exam 80% of students will achieve Accomplished or higher on the Math Rubric. Math 373 Final Exam 80% of students will achieve Accomplished or higher on the Math Rubric.</p>	<p>Math 373 Final Exam 80% of students will achieve Accomplished or higher on the Math Rubric. Math 405 Final Exam 80% of students will achieve Accomplished or higher on the Math Rubric. A&S 495 Site Supervisor Evaluation 80% of students will achieve Accomplished or higher on the Math Rubric</p>	<p>Math 380 Final Exam 80% of students will achieve Accomplished or higher on the Math Rubric. Math 405 Final Exam 80% of students will achieve Accomplished or higher on the Math Rubric. Math 460 Final Paper 75% of students will achieve Accomplished or higher on the Math Rubric.</p>	<p>Math 373 Final Exam 80% of students will achieve Accomplished or higher on the Math Rubric. Math 405 Final Exam 80% of students will achieve Accomplished or higher on the Math Rubric. Math 460 Final Paper 75% of students will achieve Accomplished or higher on the Math Rubric.</p>	<p>Math 380 Final Exam 80% of students will achieve Accomplished or higher on the Math Rubric. Math 405 QR Project 75% of students will achieve Accomplished or higher on the Math Rubric. Math 460 Final Paper 75% of students will achieve Accomplished or higher on the Math Rubric.</p>
<p>Indirect Evidence</p>	<p>Student ratings on relevant objectives will be at or above the IDEA norm.</p>	<p>Student ratings on relevant objectives will be at or above the IDEA norm.</p>	<p>Student ratings on relevant objectives will be at or above the IDEA norm.</p>	<p>Student ratings on relevant objectives will be at or above the IDEA norm.</p>	<p>Student ratings on relevant objectives will be at or above the IDEA norm.</p>