

## **Kenneth M. Williams, Ph.D.**

**Associate Professor of Mathematics  
Marygrove College  
Detroit, MI 48221**

### **EDUCATION**

Doctor of Philosophy (1997) University of Michigan  
Mathematics Education

Master of Arts in Teaching (1990) Oakland University (3.96 GPA)  
Mathematics

Bachelor of Science (1986) University of Michigan (3.95 GPA)  
Mathematics Major  
Physics Minor  
Michigan Secondary Teaching Certificate

### **PRESENT POSITION**

**Associate Professor of Mathematics – Marygrove College:  
1992 – Present**

Fall, 2016 Courses Taught: Algebra, Calculus III, Probability and Statistics, Concepts in Elementary Mathematics I, Mathematics Senior Seminar

Winter, 2017 Courses Taught: Calculus II, Linear Algebra, College Geometry, Concepts in Elementary Mathematics II, Mathematics Senior Seminar

I incorporate the TI-83 graphing calculator into all of my mathematics courses, and I try to use a variety of teaching techniques in my courses, including discussion, inquiry-based learning, and writing activities. I also believe that problem solving should be the focus of mathematics teaching, and that identifying and modeling problem solving techniques is an important objective for students in any mathematics class.

**Mathematics Department Chair: 1997 - present**

I am responsible for scheduling all mathematics classes, hiring and evaluating adjunct math instructors, providing all documentation to the State of Michigan for our elementary and secondary mathematics major and minor teaching certificate programs, preparing assessment plans and annual reports for the mathematics department, supervising the

mathematics laboratory, supervising the MAT mathematics program, and making decisions for the mathematics department.

I recently submitted to the State of Michigan an application for the Elementary and Secondary Mathematics Major, Elementary and Secondary Mathematics Minor, and Elementary and Secondary Mathematics Endorsement Program for Teacher Certification. All were approved by the State of Michigan. The reviewers commended Marygrove College on the claims and key assessments related to the program along with their focus on math content and pedagogy. As a result of this approval from the State of Michigan, the Mathematics Department created an online secondary mathematics endorsement program for certified teachers. The program will consist of all of the math courses required for a math minor being offered online. I recently completed the development of these online courses.

### **Natural Sciences and Mathematics Division Chair: 2015 - 2016**

I was responsible for the leadership and operations of the Science and Mathematics Division, which included monitoring the division budget, leading division meetings, and serving on the Academic Council. The division consists of nine programs in biology, chemistry, forensic science, integrated science, health science, and mathematics, including three interdisciplinary majors, and three teacher certification majors. I was also responsible for reviewing the divisional course schedules to ensure that an adequate number of major and general education courses are offered and distributed throughout the schedule key. I also provided assistance for departments and/or programs undergoing programmatic reviews, collected and analyzed academic rigor data, assisted in implementing department and program assessments, and assisted departments with program accreditations and review materials to be submitted.

### **Curriculum Committee Chair: 1997 – 2012**

### **Professional Procedures Committee: 2012 – present**

### **Faculty Assembly Officers Committee: 2016 - present**

I presided over Curriculum Committee meetings at which the Curriculum Committee reviewed proposed new courses, new majors, new programs, new minors, and new certificate programs, and recommended changes, if necessary, to these courses and programs. The committee also conducted a thorough review of the curriculum every three or four years.

Currently, I am chairperson of the Professional Procedures Committee at Marygrove, which reviews and mediates faculty issues. I am also now a member of the Faculty Officers Committee, which leads faculty meetings and meets with the President and Provost monthly to discuss college and faculty issues. Recently, I also served on the search committees to hire Assistant Professors in Biology, Chemistry, and Health Science. I am also a member of the Teacher Certification Liaisons Council, which meets monthly to discuss teacher certification issues.