

# MAZIAR OULIAEI-NIA

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## Professional Summary

- Instructor in Mathematics with more than 20 years of teaching experience in collegiate environment.
- Created and taught a program called *Differentiated Math Program* to provide students who have advanced intellectual, academic, and/or creative capabilities with the opportunity to learn and dynamically interact with peers of similar aptitude within a rigorous interdisciplinary learning environment.
- Experienced in the use of Technology and graphing calculators in class environment. Utilized Web-based learning software programs such as ALEKS and WebAssign in class environment. Taught online Calculus courses.
- Promoted Mathematical learning in middle school and high school levels with innovative face to face presentations.
- Utilized Physics and Engineering concepts to present how Mathematics can model and solve applied problems.

## Work History

**Instructor Aug 2018- Present**

**Virginia Polytechnic Institute and State University**

Taught sections of Calculus 2, Multivariable Calculus, and Introduction to Differential Equations.

**Instructor Aug 1999-Aug 2018**

**Western Iowa Tech Community College, Sioux City, Iowa.**

- Taught a wide spectrum of Math courses including Pre-Algebra, Introductory Algebra, College Algebra, Trigonometry, Finite Mathematics, Calculus 1, Calculus 2, Calculus 3, Discrete Mathematics, Differential Equations and Linear Algebra.
- Served on curriculum and assessment committees.
- Created course materials such as syllabi, tests and homework assignments.
- Planned, evaluated and revised course content and course materials.
- Tested students on the materials that were presented in classes.
- Created and facilitated courses using ALEKS software.
- Created a 4-year program of study for talented and gifted high school students, called *Differentiated Math Program*.

**Instructor Aug 1989- Aug 1990**

**Esfahan University of Technology**

- Taught undergraduate Math courses including Calculus, Differential Equations, Mathematics for Engineers, and Number Theory.
- Created course materials including syllabi and tests.
- Supervised the publication of the University Math Journal and wrote expository Math articles.

## Education

ABD. Mathematics (combined 70 graduate credit hours) The University of Iowa, Iowa City, Iowa.	1999
Master of Science. Mathematics Purdue University, West Lafayette, Indiana.	1993
Bachelor of Science. Electrical Engineering Esfahan University of Technology, Esfahan, Iran.	1988

## AWARDS

Favorite Teacher Certificate (Governor's Scholar Recognition Program) from Governor of Iowa, Terry Branstad, 2014.  
Favorite Teacher Certificate (Governor's Scholar Recognition Program) from Governor of Iowa, Chet Culver, 2010.  
Outstanding Teacher of the Year Award Nominee, Western Iowa Tech Community College, 2007.

## Other fields of interest

Theoretical Physics  
Modern American Literature  
Poetry (Published Poet)