



# Lisa Scavone, Ed.D.

Math Education + Educational Technology








## About Me

Hello! I'm Dr. Lisa Scavone, Associate Professor of Mathematics at Cuyahoga Community College. I earned my doctorate in Curriculum and Instruction with an emphasis on Educational Technology from the University of Florida, and both my master's and bachelor's degrees in Mathematics from the University of Akron.

I teach a full range of mathematics courses at the community college level, from remedial to college-transfer. I have extensive experience teaching online, as well as in blended and traditional environments.

My research interests include online mathematics education, the gender gap in math self-efficacy, and the underrepresentation of women in STEM fields.

## Current Position

 <b>Title</b>	Associate Professor
 <b>Department</b>	Mathematics
 <b>School</b>	Liberal Arts & Sciences
 <b>Institution</b>	Cuyahoga Community College
 <b>Address</b>	Western Campus 11000 Pleasant Valley Rd. Parma, OH 44130
 <b>Phone</b>	216-987-5099
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## Website

View my full online CV at [LisaScavone.com/CV](https://LisaScavone.com/CV)

# Work Experience

## ○ Associate Professor at Cuyahoga Community College

2023 - Present: Associate Professor

2006 - 2023: Assistant Professor

2004 - 2006: Instructor

Assume all teaching responsibilities, including lecturing, grading, and keeping office hours. Teach a full range of mathematics classes from developmental to college transfer; including online courses, hybrid courses, and traditional classroom courses. Utilize graphing calculators, mathematical and statistical computer software, online resources, and other educational technology. Participate on multiple college, campus, and departmental committees, including serving as chair and secretary. Create new mathematics course curriculum and regularly perform major and minor curriculum revisions. Complete peer and adjunct faculty evaluations. Serve as a faculty mentor. Present at college functions and national conferences. Complete regular training sessions for college processes and new technology. Volunteer for charitable activities on behalf of the college.

## ○ Lecturer at Case Western Reserve University

2003 - 2004: Lecturer

2001 - 2002: Teaching Assistant

Assumed all teaching responsibilities, including lecturing, grading, and keeping office hours. Taught Calculus with Applications I & II and Algebra/Trigonometry. Coordinated schedules and created materials such as exams and reviews for all instructors' sections of these classes. Held special review sessions and extra office hours for students preparing for exams. Helped organize activities in the math department. Participated on a committee to improve teaching assistant training. Volunteered to speak to prospective graduate students about the Math Department.

## ○ Teaching Assistant at University of Akron

2002 - 2003

Assumed all teaching responsibilities, including lecturing, grading, and keeping office hours. Taught Preparatory Mathematics and Math for Elementary Teachers. Completed research and a master's thesis on inquiry-based lessons in mathematics. Created original inquiry-based lessons for use in mine and other classes. Utilized graphing calculators and mathematical computer software. Oversaw special computer lab hours for students to complete lab assignments. Participated in activities for Women in Math, including designing the bulletin board and organizing Kids Career Day activities.

## ○ Actuarial Analyst at Watson Wyatt Worldwide

1999 - 2001

Performed actuarial valuations, benefit calculations, studies, and other pension duties. Mentored an intern, including training, assigning projects, monitoring progress, and answering questions. Taught a Microsoft Excel training course to new hires and interns.

## ○ Accounting Assistant at Chemstress Consultant Company

1996 - 1999

Created invoices, cash receipts, and month end accounting reports. Issued weekly project cost reports. Operated the company switchboard. Trained new hire and temporary employees.

# Education

## Doctor of Education in Curriculum and Instruction: Educational Technology

2023 | University of Florida  
College of Education | Graduate School

**Doctoral Dissertation:** Gender Makes a Difference: The Sources of Math Self-Efficacy and Prediction of Interest in a STEM Career for Community College Online Math Students  
**Dissertation Chair:** Dr. Maya Israel  
GPA: 4.00

## Master of Science in Mathematics

2003 | University of Akron  
Buchtel College of Arts and Sciences | The Graduate School

**Master's Thesis:** Inquiry-Based Learning and Mathematics: An Experimental Study  
**Thesis Advisor:** Dr. Antonio Quesada  
GPA: 3.83

## Bachelor of Science in Mathematics

1999 | University of Akron  
Buchtel College of Arts and Sciences | Williams Honors College

**Honors Thesis:** The Koch Snowflake  
**Thesis Advisor:** Dr. Linda Saliga  
GPA: 3.58 | cum laude

# Teaching

## Courses Taught at Cuyahoga Community College

2004 - Present

### Existing Courses

- Math 0965: Intermediate Algebra 🖥️ 👤
- Math 0970: Essential Skills for Probability and Statistics 🖥️
- Math 1410: Elementary Probability and Statistics I 🖥️ 👤
- Math 1420: Elementary Probability and Statistics II 👤
- Math 1470: Modern Math for Business and Social Sciences I 🖥️ 👤
- Math 1480: Modern Math for Business and Social Sciences II 🖥️ 👤
- Math 2010: Introduction to Discrete Mathematics 🖥️ 👤

### Discontinued Courses

- Math 0940: Essential Skills for Contemporary Mathematics ⌚
- Math 0950: Beginning Algebra I 👤
- Math 0960: Beginning Algebra II 👤
- Math 1060: Survey of Mathematics 👤
- Math 1200: Intermediate Algebra 🖥️ 👤
- Math 1240: Contemporary Mathematics 🖥️ ⌚ 🖥️ 👤
- Math 1250: Contemporary Mathematics 👤
- Math 1270: Intermediate Algebra 🖥️ 👤
- Math 1521: College Algebra 👤

### Key: Course Modalities

- 🖥️ = taught in an online, asynchronous modality
- ⌚ = taught in an online, synchronous modality
- 🖥️ 👤 = taught in a blended modality
- 👤 = taught in a traditional face-to-face modality

## Courses Taught at Case Western Reserve University

2001 - 2004

Math 120: Elementary Functions and Analytic Geometry

Math 125: Math and Calculus Applications for Life, Managerial, and Social Sciences I

Math 126: Math and Calculus Applications for Life, Managerial, and Social Sciences II

## Courses Taught at University of Akron

2002 - 2003

Math 100: Intermediate Algebra

Math 140: Mathematics for Elementary School Teachers I

Math 260: Mathematics for Elementary School Teachers II

# Curriculum Development & Revision

## Curriculum Development at Cuyahoga Community College

- **2025: Math 1460: Finite Mathematics**
  - Developed the curriculum for this new course
  - Aligned curriculum with the new OT36 transfer module for Finite Mathematics and new SB1 requirements
- **2016: Math 0965: Intermediate Algebra**
  - Collaborated with others to create the curriculum for this course
  - Contributed to the restructuring of the developmental math sequence
- **2016: Math 0955: Beginning Algebra**
  - Collaborated with others to create the curriculum for this course
  - Contributed to the restructuring of the developmental math sequence
- **2006: Math 2010: Introduction to Discrete Mathematics**
  - Developed the curriculum to create this new 2000-level transfer course
  - Created a 2+2 degree program in Information Technology with development of this course

## Curriculum Restructuring at Cuyahoga Community College

2015 - 2016

Participated in the complete restructuring of the developmental math sequence and rearrangement of the multiple math pathways. Focused primarily on Math 1470 and Math 1480 prerequisites and curriculum, as well as Math 0955 and Math 0965 curriculum.

## Curriculum Revision at Cuyahoga Community College

- **2025:** Math 2010 curriculum revision (SB1 alignment)
- **2025:** Math 1470 curriculum revision (SB1 alignment)
- **2024:** Math 1590 curriculum revision (major revision: previously Math 1480)
- **2022:** Math 2010 curriculum revision (necessary revision to align with new OT36 transfer module)
- **2018:** Math 1470 curriculum revision
- **2018:** Math 1480 curriculum revision
- **2013:** Math 2010 curriculum revision
- **2007:** Math 2410 curriculum revision
- **2007:** Math 2520 curriculum revision

# Professional Development & Training

## ○ Educational Technology & Instructional Design Coursework from University of Florida

2020 - 2022

Within my doctoral program, a few courses in particular served to greatly expand my skills with educational technology and instructional design:

- Foundations of Educational Technology
- Designing Integrated Media Environments
- Blended Learning Environments
- Instructional Design
- Advanced Instructional Design

## ○ Visual Communication & Design Coursework from Cuyahoga Community College

2016

Earned 9 undergraduate credits in Visual Communication and Design, which helped to expand my design skills:

- Foundations of Visual Communication
- Digital Studio Basics
- Typography and Layout

## ○ SOA Exam P: Probability from the Society of Actuaries

2007

Successfully passed the Society of Actuaries Exam P, one of the required credentials to become an Associate of the Society of Actuaries (ASA) and a Fellow of the Society of Actuaries (FSA). This exam requires a thorough command of calculus and probability, as well as a basic knowledge of insurance and risk management.

## ○ Savvy Cyber Professor from CIESE

2006

Certificate earned from the Center for Innovation in Engineering and Science Education (CIESE). Successfully completed this 12-week blended professional development course, introducing Real World Learning Objects (RWLOs) and providing training on creating them.

## ○ Orientation to Teaching, Learning, and Leadership from Cuyahoga Community College

2005

Certificate earned from Cuyahoga Community College. Successfully completed this two-semester professional development program for new faculty. Topics included curriculum, teaching, and educational technology.

## ○ Educational Technology Training from Cuyahoga Community College and External Vendor Representatives

- 2024: Brightspace Training
- 2020: Webex Training
- 2019: ProctorU Training
- 2017: Pearson MyStatLab Training
- 2016: Teaching for Online Learning (TFOL) Workshop C
- 2015: Adobe Connect Training
- 2015: Teaching for Online Learning (TFOL) Workshop B
- 2014: Teaching for Online Learning (TFOL) Workshop A
- 2014: Online Accessibility Workshop
- 2014: Quantway Training
- 2013: Cengage WebAssign Training
- 2011: Blackboard III Training
- 2010: Blackboard II Training
- 2008: Pearson MyMathLab/MathXL Training
- 2008: Banner Training
- 2007: SPSS Training
- 2006: CurricUNET Training
- 2006: My Tri-C Space Portal Training
- 2005: Blackboard I Training
- 2004: Minitab Training

# Presentations & Publications

## Faculty Colloquium Presentation (pending)

2026 | Cuyahoga Community College Faculty Colloquium | Cleveland, OH

*Gender Makes a Difference: Math Self-efficacy and Interest in STEM*

Submitted a proposal to present at the 2026 Faculty Colloquium. I plan to share my doctoral dissertation research, including my literature review highlights, theoretical framework, methodology, and findings. I also plan to discuss implications of my study, including research-backed strategies that instructors can implement in their own classrooms to help foster students' math self-efficacy development.

## Doctoral Dissertation Publication

2023 | ProQuest

Scavone, Lisa R. *Gender Makes a Difference: The Sources of Math Self-efficacy and Prediction of Interest in a STEM Career for Community College Online Math Students*. University of Florida, 2023. <https://www.proquest.com/docview/2881060401>

## Invited Speaker

2023 | University of Florida Educational Technology Doctoral Program: Literature Review Workshop

2022 | University of Florida Educational Technology Doctoral Program: Cohort 8 Orientation

Invited speaker at two functions for the EdTech doctoral program: Cohort 8 Orientation in 2022 and the Literature Review Workshop in 2023. In both engagements, I was invited to represent Cohort 7 and speak to Cohort 8 about my experiences in the program. I also provided instruction and best practices for scholarly research, organization, reference management, and completing a literature review.

## Innovations Conference Presentation

2007 | League for Innovation in the Community College: Innovations Conference | New Orleans, LA

*Inquiring Minds Want to Know*

Topic: Inquiry-based learning for forming a deeper understanding of underlying concepts. Included a discussion of theory, examples of inquiry-based lessons, and an exploration of some advantages and disadvantages of their implementation. Co-written and co-presented with Dr. Adam Zambetti.

## Faculty Colloquium Presentation

2007 | Cuyahoga Community College Faculty Colloquium | Cleveland, OH

*Hands-On Workshop: Inquiring Minds Want to Know*

Adaptation of the above presentation as a hands-on workshop for faculty. Co-written and co-presented with Dr. Adam Zambetti.

## OER Lesson Publication

2006 | RWLO Resource Library

*Contingency Analysis of Prison Inmates and Staff*

Created an original statistics lesson as a Real World Learning Object (RWLO) using real-time data from the Internet. Designed webpages to include lesson materials and information. Published online to the RWLO Resource Library, an Open Educational Resource (OER) library.

## Invited Speaker

2005 | UA Women in Mathematics Spring Meeting | Akron, OH

Invited featured speaker for the annual spring meeting of the University of Akron Women in Mathematics. Topics included my mathematics undergraduate and graduate education, my multiple careers in math fields, the decision processes leading to my career changes, and the pressures of being a woman in a male-dominated career.

# Professional Service

## ○ Academic Technology Faculty Champion

2025 - Present

Serve as an Academic Technology Faculty Champion. This role requires a high level of commitment, with weekly team meetings, mandatory training sessions, and scheduled availability for helping fellow faculty members with educational technology questions.

## ○ Online Proctoring User Testing

2025 - Present

Participating in a Collegewide review of several online proctoring services. This requires attending training sessions, setting up proctored exams, reviewing results, and evaluating proctoring services.

## ○ SB1 Resources Master List Coordination

2025 - Present

Volunteered to coordinate the creation of a resources master list for all math faculty members. This list will be a part of the official course outline of every math course in order to align with the new SB1 legislation.

## ○ Math Transferability Coordination

2023 - Present

Coordinate the alignment of all math courses with the state's OT36 and TAG guidelines. Maintain a list of courses and statuses, request volunteers to complete needed submissions, provide volunteers with guidance, regularly communicate with the curriculum and transfer offices, and ensure the transferability of all math courses.

## ○ Faculty Mentoring

2008 - Present

Regularly mentor new instructors and adjunct faculty members

## ○ Faculty Evaluations

2005 - Present

Regularly perform adjunct faculty and peer evaluations

## ○ Committee Service

### Collegewide/Campuswide Committees

- 2024 - 2025: Distance Learning Steering Committee: Online Proctoring Subcommittee
- 2012 - 2013: Western Campus Faculty Senate Food Committee (Secretary)
- 2008 - 2010: Planning and Institutional Effectiveness Governance Committee (Co-chair)
- 2004 - 2005: Western Campus Faculty Senate Library Committee
- 2004 - Present: Western Campus Faculty Senate
- 2004 - Present: AAUP Cuyahoga Community College Chapter

### Math Counterparts/Department Committees (Non-Curriculum)

- 2023 - Present: Math Counterparts OT36 Committee (Co-chair & Secretary)
- 2020 - 2024: Math Task Force
- 2019 - 2020: Paired Classes Committee
- 2004 - Present: Math Faculty Counterparts (Secretary 2005-2007)

## Curriculum Committees

- 2025: Math 1460 Curriculum Development & SB1 Alignment Committee (Chair & Secretary)
- 2025: Math 1470 Curriculum Revision for SB1 Alignment Committee (Chair & Secretary)
- 2025: Math 2010 Curriculum Revision for SB1 Alignment Committee (Chair & Secretary)
- 2023 - 2024: Math 1590 Curriculum Revision Committee (major revision of Math 1480)
- 2022 - 2023: Math 2010 OT36 Submission Committee (Chair & Secretary)
- 2021 - 2022: Math 2010 Curriculum Revision Committee (Chair & Secretary)
- 2018: Math 1480 Curriculum Revision Committee (Chair)
- 2018: Math 1470 Curriculum Revision Committee (Chair)
- 2016: Math 0965 Curriculum Development Committee
- 2016: Math 0955 Curriculum Development Committee
- 2013: Math 2010 Curriculum Revision Committee (Chair & Secretary)
- 2007: Math 2520 Curriculum Revision Committee
- 2007: Math 2410 Curriculum Revision Committee
- 2006: Math 2010 Curriculum Development Committee (Chair & Secretary)

## Textbook Selection Committees

- 2024: Math 0970/1410/1420 Textbook Selection Committee
- 2019: Math 2010 Textbook Selection Committee (Chair & Secretary)
- 2014: Math 1250 Textbook Selection Committee
- 2013: Math 1470/1480 Textbook Selection Committee
- 2011: Math 2010 Textbook Selection Committee (Chair & Secretary)
- 2010: Math 1470/1480 Textbook Selection Committee
- 2008: Math 1200 Textbook Selection Committee (Chair)
- 2006: Math 2010 Textbook Selection Committee (Chair & Secretary)
- 2005: Math 1200 Textbook Selection Committee
- 2005: Math 1410/1420 Textbook Selection Committee

## Affiliations



**AECT**

Association for Educational Communications and Technology



**MAA**

Mathematical Association of America



**AWM**

Association for Women in Mathematics



**AMATYC**

American Mathematical Association of Two-Year Colleges



**AAUP**

American Association of University Professors



**OhioMATYC**

Ohio Mathematical Association of Two-Year Colleges