Marla Lemmon

Cincinnati, OH · lemmonmr@ucmail.uc.edu · 859-462-1003

Education

University of Kentucky
Ph.D. in Education Sciences – STEM Education   December 2022
Dissertation: *Collaborative Learning in an Asynchronous Online Introductory Statistics Course*

University of Cincinnati
M.S. in Mathematics   June 2010

Northern Kentucky University
B.S. in Mathematics   May 2008
Area of Concentration: Educational Studies

Teaching Experience

Instructor Educator
Department of Mathematical Sciences, University of Cincinnati   August 2024 – present

Courses Taught:
MATH 1008: Foundations of Quantitative Reasoning
MATH 3021: Math for Middle School Teachers I
STAT 1031: Introduction to Statistics – online and in-person

Summary of activities:
- Teach in-person and online sections of introductory mathematics and statistics courses
- Facilitate student learning with guided notes for both recorded and in-person lectures
- Create assessments include daily knowledge checks, group lab assignments, and exams
- Collaborate with other educators to discuss delivery and improvement of introductory courses

Lecturer
Department of Mathematics & Statistics, Northern Kentucky University
  Non-tenure track renewable position   August 2019 – July 2024
  - Transitioned to a base-funded position with an online focus
  Non-tenure track temporary position   January 2011 – July 2019

Online Courses Taught:
MAT 102: Introductory College Algebra
MAT 114: Finite Mathematics
STA 113: Probability and Statistics with Elementary Education Applications
STA 205: Statistical Methods
SCI 393: STEM Peer Mentors

Face-to-Face Courses Taught:
MAT 109: Algebra for College Students
MAT 114: Finite Mathematics
MAT 115: Mathematics for Liberal Arts
MAT 119: Pre-Calculus Mathematics
MAT 140: Mathematics for Elementary/Middle Grades Teachers I
MAT 141: Mathematics for Elementary/Middle Grades Teachers II
STA 113: Probability and Statistics with Elementary Education Applications

STA 204: Statistics for Middle Grades Teachers
STA 205: Statistical Methods
STA 212: Statistics for Business Applications

Summary of teaching activities:
- Prepared and delivered recorded and in-person lectures with the use of guided notes
- Facilitated in-class discussions
- Created assessments including collaborative assignments, group quizzes, individual quizzes, and exams
- Taught in various formats including face-to-face, large lectures (up to 140 students), dual credit enrollment, hybrid, 7-week accelerated online, and 16-week online (synchronous and asynchronous)
- Developed and delivered NKU's first online offering and also first accelerated online offering of Finite Mathematics

Summary of supervision activities:
- Supervised and provided grading rubrics to four undergraduate assistants for large lecture STA 205 courses
- Established job duties and provided grading rubrics for teaching assistant in 7-week online STA 205 sections
- Established job duties and supervised undergraduate student assistant in 16-week online STA 205 section (position supported by Student Success Fellowship)
- Supervised undergraduate STEM Peer Mentors

Adjunct Instructor   June 2010 – May 2011
ITT Technical Institute, Norwood, OH
Courses Taught: Problem Solving, College Math I, Introductory Calculus

Adjunct Instructor   June 2010 – December 2010
Beckfield College, Springdale, OH
   Courses Taught: Basic College Math and Math for Medical Assistants

Teaching Assistant   September 2008 – May 2010
Department of Mathematical Sciences, University of Cincinnati
   Courses Assisted: Topics in Mathematics I, II, & III
   Courses Taught: Topics in Mathematics II & III

Other Professional Experience

Interim Director of Recruitment and Retention   January – May 2023
NKU's Center for Integrative Natural Science and Mathematics (CINSAM)
- Coordinated STEM Scholarship Open Houses and Program Interviews
- Managed STEM scholarship offers
- Managed faculty proposals and student applications for undergraduate STEM research projects

Faculty Associate   January – June 2015
Kentucky Center for Mathematics, Highland Heights, KY
- Organized and planned week-long TEPST (Transdisciplinary Experiences for Preservice Secondary Teachers) professional development
- Designed and implemented one-day collaborative session (Genetics and Probability) during TEPST
- Developed surveys for measuring the impact of the overall TEPST experience

Publication

Lemmon, M. (2015). Transdisciplinary preparation of preservice secondary math and science teachers. In M. J. Mohr-Schroeder & J. Thomas (Eds.), *Proceedings of the 114th Annual Convention of the School Science and Mathematics Association*. Oklahoma City, OK: SSMA.

Presentations

*Lemmon, M. (2020, March). *Incorporating collaborative learning into online quantitative courses*. One of three selected presentations for NKU's Teaching Effectiveness and Enhancement Committee and Center for Teaching and Learning Innovative Teaching Presentations, Highland Heights, KY. *This event was canceled due to COVID.

Lemmon, M. (2017, March). *Connecting statistics and science: Using science to engage students in statistical inquiry*. Presentation at the annual Kentucky Center for Mathematics Conference, Lexington, KY.

Lemmon, M. (2016, April). *Transdisciplinary preparation of preservice secondary math and science teachers*. Presentation at the annual Kentucky Mathematics Educators Development Conference, Lexington, KY.

Lemmon, M. (2015, October). *Transdisciplinary preparation of preservice secondary math and science teachers*. Paper presented at the annual School Science and Mathematics Association Convention, Oklahoma City, OK.

(Cordray) Lemmon, M. & (Poling) Young, K. (2007, October). *Bringing cryptology to the high school classroom*. Presentation at the annual KCTM Conference, Lexington, KY.

Invited Panelist

Lemmon, M., Heath, C., Fredrick, S., & Chattopadhyay, A. (2024, January). *Effective Use of TA/Coaches in Online Courses*. Workshop offered by The Center for Excellence in Teaching and Innovation at NKU, Highland Heights, KY.

Awards

CINAM Award 2024
Awarded for extraordinary contributions to CINSAM's mission, promoting enthusiasm, excellence, and equity in STEM education and scholarship.

Excellence in Online or Technology Enhanced Teaching Award 2023
Awarded to a faculty member who demonstrates excellence and innovation in online or technology enhance teaching and learning.

Student Success Fellowship Recipient, NKU College of Arts & Sciences 2022
Project Title: *Collaborative Learning in an Asynchronous Online Introductory Statistics Course*
Competitive funding awarded to projects that might best achieve the college success and retention initiatives.

Recognized by an NKU graduating senior multiple semesters
Identified as having a positive impact on their academic and/or personal development.

Professional Development

Finding Joy in Teaching Online – Community of Practice May 2025 – April 2026

Going Beyond the Textbook and Lecture Videos: Enriching Course Content with Diverse Resources
October 2025

An Introduction to Ohio Transfer 36 for Faculty   May 2025

Advanced Online Teaching Strategies   April 2025

Designing Online Courses   March 2025

Online Teaching Strategies   March 2025

Teaching Introductory Statistics Online   November 2024

QuantNet Ohio Teaching Workshop   August 2024

Teaching Large Classes Effectively   Spring 2023

Norse Academic Success Institute   Summer 2022

Implementing Group Projects in Large Online Classes   November 2021

Addressing Accessibility & Usability Workshop   February 2020

Statistics Education Workshop   March 2019

Online Teaching 101   May 2017

Service

University of Cincinnati Service
    Course coordinator – Introduction to Statistics   Fall 2025 – present

    General Education Math, Stats, Logic Subcommittee Member   Summer 2025 – present

    OT36 Documents Course Submitter – STAT 1031   Fall 2025

NKU Course coordinator   Fall 2015 – May 2024
Probability & Statistics with Elementary Education Applications

Reviewer   Fall 2015
Proceedings of the 114th Annual Convention of School Science and Mathematics Association

Professional Memberships

School Science and Mathematics Association