

Valentina Maddalena

📍 Michigan State University
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EDUCATION

Ph.D. in Physics

NSCL

MICHIGAN STATE UNIVERSITY
2000

Laurea in Physics

Summa cum Laude

UNIVERSITY OF CATANIA, ITALY
1996

ABOUT ME

Passionate and enthusiastic about Calculus • Patient with students, willing to listen to their needs and to put extra office hours • Professional, adaptable, problem solver, perfectionist while pragmatic

COURSES TAUGHT

Small Lectures

MTH 124 | Survey of Calculus I
(regular and DREW)
MTH 126 | Survey of Calculus II
MTH 132 | Calculus I

Large Lectures

MTH 124 | Calculus I
MTH 132 | Calculus I
MTH 133 | Calculus II
MTH 103B | College Algebra II
MTH 101 | Quantitative Literacy

LANGUAGES

ENGLISH | Fluent

ITALIAN | Native

FRENCH | Intermediate

JAPANESE | Beginner

SKILLS

TeX • Zoom • Microsoft 365 • D2L
• Database Management • R •
FORTRAN • SQL • iOS • Windows •
Linux • Unix

PROFESSIONAL APPOINTMENTS

MICHIGAN STATE UNIVERSITY | INSTRUCTOR, DEPARTMENT OF
MATHEMATICS

August 2015 - Present

BANK OF ITALY | RESEARCH ASSOCIATE, DEPARTMENT OF STRUCTURAL
ECONOMIC ANALYSIS

July 2007 - August 2015

UNIVERSITY OF MARYLAND UNIVERSITY COLLEGE, NATO BASE, NAPOLI,
ITALY | INSTRUCTOR, INTRODUCTION TO STATISTICS

Fall 2006

Teaching appointment for the course "Introduction to Statistics" Final evaluation: excellent. Position confirmed, but declined due to tenure employment as Research Associate at the Bank of Italy.

UNIVERSITY OF BASILICATA, POTENZA, ITALY | RESEARCH ASSOCIATE,
DEPARTMENT OF CROP, FORESTRY AND ENVIRONMENTAL SCIENCES

May 2001 - May 2004

Data analysis and simulation models for natural resources management.

TEAM-BASED TEACHING

MTH 124, MTH 132, MTH 133 | SINCE 2020

Responsibilities shared with the other team members include: writing exams, quizzes and weekly recitation materials; coordinating TAs; D2L management; handling of RCPD accommodations, extension and makeup requests.

COURSE SUPERVISION

MTH 132, FALL 2018 | MTH 133, SINCE FALL 2024

Responsibilities included: Leading meetings with other lecturers, leading TAs and members of CIM; writing midterm and final exams; coordinating TAs assignments and quizzes; supervising the grading of the common exams and final; handling of any complaints.

CURRICULUM DEVELOPMENT

MTH 133, CALCULUS II

Recorded new video lectures for online asynchronous sections.

MTH 124, SURVEY OF CALCULUS I

Designed original lab material with applications in business and economics.

ALL COURSES | FLIPPED CLASSES

Experienced in creating and integrating videos in coursework materials. Intrigued by new and effective ways to enhance students' engagement while improving their grades, and retaining the concepts learned.

MENTORING

Mentored graduate and undergraduate students in their teaching or tutoring development.