

Mathematics Courses

Courses

MATM 5360. Intro to Math Education.

Introduction to Mathematics Education: Introduction to Mathematics Education is a course on key aspects of mathematics education, including learning theories, research domains, theoretical perspectives, research-based practices, and navigating the literature.

Department: Math (MATM)

3 Credit Hours

3 Total Contact Hours

0 Lab Hours

3 Lecture Hours

0 Other Hours

MATM 5361. Qualitative Res. in Math Ed.

Qualitative Research in Mathematics Education: Qualitative Research in Mathematics Education is an introductory course on qualitative research methods, especially appropriate for classroom research, including interviews, observations, surveys, and artifacts. Course includes research design, instruments, rigor criteria, and the IRB process.

Department: Math (MATM)

3 Credit Hours

3 Total Contact Hours

0 Lab Hours

3 Lecture Hours

0 Other Hours

MATM 5364. Quant. Research in Math Ed.

Quantitative Research in Mathematics Education: Quantitative Research in Mathematics Education is an introductory course on the fundamentals of descriptive and inferential statistics including: sampling, regression, multiple regression, chi-square, analysis of variance, psychometrics, and the appropriate use of technology. Additional topics are selected from: analysis of covariance, logistic regression, factor analysis, and nonparametric statistics. Emphasis is on practical usage and the conceptual understanding of data analysis and experimental designs that are commonly used in the research literature for the specific context of mathematics education or statistics education.

Department: Math (MATM)

3 Credit Hours

3 Total Contact Hours

0 Lab Hours

3 Lecture Hours

0 Other Hours

MATM 5365. Tech in the Math Classroom.

Technology in the Mathematics Classroom: Technology in the Mathematics Classroom is an introductory course on the use of technologies in mathematics classrooms, their roles in mathematical learning and teaching, and an exploration of their appropriate and effective use in the mathematics classroom.

Department: Math (MATM)

3 Credit Hours

3 Total Contact Hours

0 Lab Hours

3 Lecture Hours

0 Other Hours