

EDUCATION MATHEMATICS (EDMA)

EDMA 511 Lrng & Tchg Middle Grade Math 3 Credit Hours

This course addresses issues central to teaching and learning mathematics in middle grades; building learning communities, how students learn mathematics, use of worthwhile mathematical tasks, instructional modes, technology options, assessment to inform instruction, and professional perspectives. (Y).

Prerequisite(s): MATH 443 or MATH 543

Restriction(s):

Cannot enroll if Class is
Can enroll if Level is Rackham or Professional Development or Graduate
Can enroll if College is Education, Health, and Human Services

EDMA 512 Comm and Assmt in Math Lrng 3 Credit Hours

Problems and strategies for making effective the reading, symbolizing, graphing, diagramming, explaining, and writing of mathematical concepts and solutions: multiple uses and forms of assessment.(W)

Restriction(s):

Can enroll if Class is Specialist or Graduate
Can enroll if College is Education, Health, and Human Services
Can enroll if Major is Education

EDMA 521 Leadership in Mathematics Educ 3 Credit Hours

This course focuses on leadership concerns in mathematics education at the middle grades level. Topics may include school reform; staff development; program review; communicating with the community; new teacher induction; proposal writing. Open only to graduate students or by permission of the instructor. (Y).

Prerequisite(s): EDMA 512

Restriction(s):

Can enroll if Class is Graduate
Can enroll if Level is Rackham or Professional Development or Graduate
Can enroll if College is Education, Health, and Human Services

EDMA 525 Currm Devt & Rsch in Math Ed 3 Credit Hours

Curriculum Development and Research in Mathematics Education is a capstone course for leadership in mathematics education. It addresses recent research in mathematics education and the design, implementation, and evaluation of research-based curriculum development; action research methods; and applications.

Prerequisite(s): EDMA 512 and EDMA 521

Restriction(s):

Can enroll if Class is Graduate

EDMA 590 Topics in Math Education 1 to 3 Credit Hours

This course focuses on mathematics education topics of current or emerging interest, such as current research; current curriculum development; issues related to school organization; new technologies; new national, state, or local initiatives; focused fieldwork; and equity concerns. Open only to graduate students or by permission of instructor. Course may be repeated for up to six hours when specific topics differ. (OC).

Restriction(s):

Can enroll if Level is Rackham or Professional Development or Graduate
Can enroll if College is Education, Health, and Human Services

EDMA 598 Independent Study in Math Ed 1 to 6 Credit Hours

Independent study in Mathematics Education under the supervision of a faculty member.

Restriction(s):

Can enroll if Class is Graduate
Can enroll if College is Education, Health, and Human Services

EDMA 712 Comm and Assmt in Math Lrng 3 Credit Hours

Problems and strategies for making effective the reading, symbolizing, graphing, diagramming, explaining, and writing of mathematical concepts and solutions: multiple uses and forms of assessment.(W)

Prerequisite(s): (MATH 442 or MATH 542) and (MATH 443 or MATH 543)

Restriction(s):

Cannot enroll if Class is Doctorate
Cannot enroll if Major is Education

EDMA 721 Leadership in Mathematics Educ 3 Credit Hours

This course focuses on leadership concerns in mathematics education at the middle grades level. Topics may include school reform; staff development; program review; communicating with the community; new teacher induction; proposal writing. Open only to graduate students or by permission of the instructor. (Y).

Prerequisite(s): EDMA 512

Restriction(s):

Can enroll if Class is Specialist or Doctorate
Can enroll if College is Education, Health, and Human Services

EDMA 725 Curric Devl&Rsch in Math Ed 3 Credit Hours

Curriculum Development and Research in Mathematics Education is a capstone course for leadership in mathematics education. It addresses recent research in mathematics education and the design, implementation, and evaluation of research-based curriculum development; action research methods; and applications.

Prerequisite(s): EDMA 512 and EDMA 521

Restriction(s):

Can enroll if Class is Specialist or Doctorate

EDMA 798 Independent Study in Math Ed 1 to 6 Credit Hours

Independent study in Mathematics Education under the supervision of a faculty member.

Restriction(s):

Can enroll if Class is Specialist or Doctorate
Can enroll if College is Education, Health, and Human Services

*An asterisk denotes that a course may be taken concurrently.

Frequency of Offering

The following abbreviations are used to denote the frequency of offering: (F) fall term; (W) winter term; (S) summer term; (F, W) fall and winter terms; (YR) once a year; (AY) alternating years; (OC) offered occasionally