Course Change Information

What change is being proposed? (If more than one, what changes are being proposed?)
Title and transcript abbreviation change to align with other STEM MEd courses.

What is the rationale for the proposed change(s)?
Clarity and consistency

What are the programmatic implications of the proposed change(s)?
(e.g. program requirements to be added or removed, changes to be made in available resources, effect on other programs that use the course)?
None

Is approval of the request contingent upon the approval of other course or curricular program request? No

General Information

Course Bulletin Listing/Subject Area Education: Teaching & Learning
Fiscal Unit/Academic Org School of Teaching & Learning - D1275
College/Academic Group Education & Human Ecology
Level/Career Graduate, Undergraduate
Course Number/Catalog 5711
Course Title Methods in Teaching STEM Secondary Mathematics I
Previous Value Teaching Mathematics in Secondary Schools
Transcript Abbreviation STEMMathMethods1
Previous Value TchMthSecSch
Course Description Increase pedagogical content knowledge of number and probability concepts as appropriate for secondary students. Concepts such as ratio, fractions, decimals, percents, proportionality, data analysis and probability will be included.

Semester Credit Hours/Units Fixed: 3

Offering Information

Length Of Course 14 Week
Flexibly Scheduled Course Never
Does any section of this course have a distance education component? No
Grading Basis Letter Grade
Repeatable No
Course Components Lecture
Grade Roster Component Lecture
Credit Available by Exam No
Admission Condition Course No
Off Campus Never
Campus of Offering Columbus

Prerequisites and Exclusions

Prerequisites/Corequisites Admission to major or M.Ed.
Exclusions Not open to students with credit for 621 and 749.
### Cross-Listings

#### Subject/CIP Code

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#### Quarters to Semesters

Modified or re-envisioned course that includes substantial parts of the content and learning goals of one or more quarter courses

List the current courses by number and title that are to be subsumed into proposed course

- EduTL 621: Methods in Teaching Secondary Mathematics I
- EduTL 749.01: Fundamental Ideas of School Mathematics I

### Requirement/Elective Designation

Required for this unit's degrees, majors, and/or minors

### Course Details

Course goals or learning objectives/outcomes

- Content knowledge of number and probability concepts as appropriate for secondary students
- Ratio
- Fractions
- Decimals
- Percents
- Proportionality
- Data analysis
- Probability

### Attachments

### Comments

- Approved by T&L GSC 1/19/2012 (by Mercerhill,Jessica Leigh on 01/19/2012 04:50 PM)

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