# Mathematics

**MATH 490  Advanced Topics in Mathematics  credit: 1 TO 4 hours.**

Deals with selected topics and applications of mathematics; see Class Schedule or department office for current topics. May be repeated with approval. Prerequisite: Consent of instructor.

## CRN   Type   Section   Time   Days   Location   Instructor

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Credit Hours: 1 hours
Geometric Constructions
Geometric Measurement Formulas - A Teacher's Perspective. Academic Outreach restrictions and assessments apply, see [http://www.outreach.uiuc.edu](http://www.outreach.uiuc.edu). This section is for CTER students.

Credit Hours: 1 hours
Algebra through Modeling
Algebra Through Modeling with the TI-82 Graphing Calculator. Academic Outreach restrictions and assessments apply, see [http://www.outreach.uiuc.edu](http://www.outreach.uiuc.edu). This section is for CTER students.

Credit Hours: 1 hours
Discrete Dynamical Systems
Module 11: Discrete Dynamical Systems for Mathematics Teachers. Academic Outreach restrictions and assessments apply, see [http://www.outreach.uiuc.edu](http://www.outreach.uiuc.edu). This section is for CTER students.

Credit Hours: 1 hours
Dynamic Geometry w/SketchPad
Dynamic Geometry with Geometer's SketchPad. Academic Outreach restrictions and assessments apply, see [http://www.outreach.uiuc.edu](http://www.outreach.uiuc.edu). This section is for CTER students.

Credit Hours: 1 hours
Using the Geometers SketchPad
Using the Geometer's SketchPad. Academic Outreach restrictions and assessments apply, see [http://www.outreach.uiuc.edu](http://www.outreach.uiuc.edu). This section is for CTER students.

Credit Hours: 1 hours
Using Fathom in the Classroom
Academic Outreach restrictions and assessments apply, see [http://www.outreach.uiuc.edu](http://www.outreach.uiuc.edu). This section is for CTER students.
Credit Hours: 2 hours

Using Mathematica in Classroom

Module 3 - Using Mathematica in the Mathematics Classroom. Academic Outreach restrictions and assessments apply, see http://www.outreach.uiuc.edu. This section is for CTER students.