



Proposed Year 1–University of Illinois at Chicago Mathematics Courses

FALL 2010
GEOMETRY

MTHT 565 Teaching Geometry: An Activity Approach–4 hours

This course is designed to help teachers learn content and pedagogy related to informal geometry using manipulatives, elementary topological concepts, polygons, polyhedra, metric geometry, motion geometry, geometric construction, spherical geometry. Teachers will be introduced to academic research on the learning of geometry.

SPRING 2011
MATH METHODS

MTHT 550 Concepts and Methods in Elementary School Mathematics II–4 hours

This course's emphasis is on the methods of teaching middle school mathematics with a focus on the use of classroom materials to promote learning while investigating area, volume, rational numbers, decimals and function machines.