

MATH 420
APPLICATIONS OF TECHNOLOGY FOR SECONDARY SCHOOL TEACHERS

Course Outline

Learning Objectives:

The purpose of this course is to prepare pre-service teachers to integrate technology into the classroom.

Goals of the Course

1. Each student in the course achieves a basic level of competency with each technology presented.
2. Each student realizes the power and potential of using educational technology in the mathematics classroom.
3. Each student will create lesson plans that incorporate the presented technologies.
4. Each student will analyze his or her own use of technology within a lesson plan that he/she created and taught.

Topic	Number of Weeks
Unit 1: The Internet	0.5
Unit 2: The Geometer's Sketchpad	3.5
Unit 3: Graphing Calculator and CBL/CBR	5.5
Unit 4: Excel	3.0
Unit 5: Fathom	1.5