

Math Teacher Training, Fall 2007
MATH 5905, Section 801
Wednesdays, 3:00–3:50 pm, ECCR 155

Instructor Information:

Instructor: Dana Ernst

Office: Math 214

Office Hours: MWF 10:00–11:00 am (or by appointment)

Email: Dana.Ernst@colorado.edu

Web Page: <http://math.colorado.edu/~ernstd>

Course Information and Policies:

Description: This is a 1 credit course required for all first year graduate students with funding. We will explore various topics associated with teaching mathematics at the university level.

Purpose: The purpose of this course is to prepare graduate students to teach mathematics courses effectively and efficiently.

Text: *How to Teach Mathematics*, 2nd Edition, by Steven G. Krantz (2000)

Attendance: Attendance is MANDATORY for this course. Everyone will be allowed 2 absences, no questions asked. If you miss 3 classes, you can make-up the 3rd absence by doing a "Slow Pitch." Otherwise, you will fail the course.

Homework: Homework will be assigned for this class each week. All assignments MUST be completed in order to pass the course. Examples of homework assignments include, but are not limited to:

- Read excerpts from the text (or another source)
- Write a teaching philosophy
- Create a web page
- Write a syllabus
- Write a lesson plan
- Prepare a short lesson to present in class
- Write an exam

On average, you should expect to spend up to an hour outside of class each week on homework.

Participation: The nature of this class requires everyone to be willing to participate. We all know no one wants to hear me talk the whole time. Participation in discussions and presentations is required to pass the course. Of course, existence of participation in discussions is subjective but I think we all know what is expected.

Grading: This is a pass/fail course. Grades will be assigned on the basis of attendance, participation, and completion of homework assignments.