

## Course Syllabus M316L Summer 2007

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**Office Hours:** TBA

**Daily Torture Schedule:** MTWTHF 11:30 - 1:00 ESB 133

**Text:** Bassarear, *Mathematics for Elementary School Teachers 4th Edition*

I'm gonna learn u. I ain't lyin' I'm gonna learn u good. In this course we're going to talk about the following: 1) plane geometry; 2) geometry in 3 dimensions; 3) probability.

We are going to cover the following sections:

Chapter 8 sections 8.1, 8.2, 8.3

Chapter 9 sections 9.1, 9.2, 9.3

Chapter 10 sections 10.1, 10.2, 10.3

Chapter 7 sections 7.1, 7.2, 7.3

Since we only have 5 weeks this is going to be fast and tough. I expect you to show up and take your beatings every day. I don't plan on using the "Explorations" manual, so don't buy it. You should NOT need a calculator.

**Exam:** There will be a 3-hour comprehensive final.

**Homework:** I will assign homework weekly. You are expected to solve EVERY problem in detail. These problems will be handed in each Monday AT THE BEGINNING OF CLASS and the grader will grade and return them the following week. LATE HOMEWORK WILL NOT BE ACCEPTED. Please do NOT slip homeworks under my office door since I will use such as toilet paper. You are also expected to read in depth each section of the book that I cover. Note that my policy is: I DO NOT alter how homeworks have been marked by the grader except in the case where the score has been misadded.

**Project:** Instead of a midterm, I want you to write a 5-10 page paper about ANYTHING in math/science/engineering. Since you are going to be school teachers I want this paper to be pedagogical. Find something that interests you (there's a whole WORLD out there) and explain it to your readers. Try to dig deeply - get to the details. Remember that I can google also, so copying something off of Wikipedia is a very bad idea. Use this as an excuse to learn something about which you wonder. Remember that I can tell a great deal about your intelligence by your writing maturity - hence it's worthwhile to make sure that your spelling and grammar are excellent!

**Grades:** I will grade 30% homework, 30% project, 30% final, and 10% attendance.

The University of Texas at Austin provides upon request appropriate academic accommodations for qualified students with disabilities. For more information, contact the office of the Dean of Students at 471-6259, 471-4641.