

**MA 201 Mathematics for Elementary Teachers**  
Spring, 2004~~5~~

**Course Instructor:**

Mr. Daniel Kiteck, Patterson Office Tower 706,  
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Office hours: TR 9:30-10:45 a.m. and by appointment

**Purpose of the Course:** This course is to deepen the content understanding of mathematics that is needed for teaching elementary or middle school mathematics and to do so in a way that emphasizes the national and Kentucky standards and principles for school mathematics. There will be student interactions during class and inquiry based learning will be used. Examples coming from actual K-6 student work will be included.

**Prerequisites:** MA 109 or equivalent.

**Text:** *Mathematical Reasoning for Elementary Teachers*, by Calvin Long and Duane DeTemple, third edition. (This is also the text for MA 202 next semester.)

**Grading Policy:** There will be three in class exams, a final, and an oral group presentation (which will also have an individual writing component in it.) Homework will be collected and a grade assigned on each based on a selection of the problems assigned. Note: The final exam will be cumulative and common to all of the sections. Should a student miss an exam, notifying the instructor as soon as possible (preferably before the exam), the final exam can be used as that exam. This procedure will be followed only in the case that the reason for not being present at the exam is an allowable University excuse. The final grade will be computed as follows:

Homework	10%
3 Exams (total)	45%
Comprehensive Final	30%
Presentation/Paper	15%

Exam 1: Week of February 8

Exam 2: Week of March 8

Exam 3: Week of April 12

Final Exam: For 8am class (001), Tuesday, May 3, 8am  
For 11am class (001), Tuesday, May 3, 10:30 am

90%-100%:A    80%-89%:B    70%-79%:C    60%-69%:D    <60%:E

A detailed description of the presentation project and writing assignment will be given three weeks before it is due and will cover material from Chapter 5. Students are advised to attend class. The lowest grade on homework will be dropped in calculating the homework component of a student's grade. Attendance is mandatory during the group presentations.

**Homework:** Homework must be handed during class on the day it is due in order to be graded.

*Calculators will be allowed on exams one and two but not three nor the final.* I reserve the right to clear the memory of any calculator before an exam. On the other hand, cheating on exams and other forms of academic dishonesty are not acceptable. The minimal grade for cheating, according to UK policy, is an E in the course.

**Coverage of Text:** The first 7 chapters of the book will be covered. We will start with chapters 2 and 3 and then move on to Chapter 1, omitting sections 1.1, 3.5, 3.6, and 4.4. You will not be asked on an exam about the material in the historical notes nor the Egyptian nor Mayan numerals from 3.1.

**Question 1, Exam 1:** What are the Principles and Standards of the NCTM? Hint: ECTLAT and 5 + 5?

**Important Dates:**

Wednesday, Jan 19	Last day to add a class
Wednesday, Feb 2	Last day to drop a class without a grade
Friday, Mar 11	Last day to withdraw from a class
March 14 – 19	Spring Break
Friday, April 29	Last day of classes

**Expectations:** Please be considerate of others in the classroom. Treating others as you want to be treated is always a good rule of thumb. I expect anything that may distract others (tardiness, cell phones, snoring, etc.) to not be present during class time.

**I expect all of you to ask questions whenever you do not understand something.**

**Please feel free to email any questions, comments, suggestions, etc. any time throughout the semester.**

I reserve the right to modify this syllabus with at least two weeks' prior notice.