

Syllabus for MA 201: Mathematics for Elementary School Teachers

Section 005: TR 2:00 pm - 3:15 pm, CB 341

Section 006: TR 3:30 pm - 4:45 pm, CB 343

Instructor: Eric Clark

Office: 806 Patterson Office Tower

Office hours: MTR 9:00 am - 10:00 am

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Website: <http://www.ms.uky.edu/~eclark/ma201f09>

Text: *Mathematical Reasoning for Elementary Teachers*, 5th ed., by Long, DeTemple, and Millman. We will be covering chapters 2,3,1,4,5,6,7 in that order.

Course Content: This course is designed to clarify and strengthen your understanding of mathematical concepts that are used to teach elementary and middle school students, and to emphasize the national and Kentucky standards and principles for school mathematics. Many examples and homework problems will come from actual K-6 curriculum.

Attendance: Regular attendance is one key to success in this and any math course. You are strongly encouraged to attend, though attendance will not be explicitly taken except during the weeks of student presentations.

Homework: There will be weekly homework assignments and they will be taken up *at the start of class every Tuesday*. Assignments must be submitted in numerical order on loose-leaf paper (i.e. not ripped from a spiral notebook) which contains your name and section number, and should be stapled if there is more than one sheet. Problems submitted improperly will have points deducted. *Late homework will not be accepted*. You will find the assignments posted on the course website (listed above). Each homework assignment is worth ten points. You will receive four points for attempting every problem. Failure to complete even one problem will result in a loss of all four points. The remaining six points will come from correctness on a few select problems. I will denote by an asterisk (*) on the homework assignment one of the problems that will be graded for correctness. Other problems graded for correctness will be chosen at random. Homework will be worth 10% of your final grade.

Presentations: Chapter 5 will be taught through group presentations. Grades will be assigned based on both the group and individual performance as well as your ability to write a peer review. Details about the presentation will be distributed about three weeks before the presentations. Attendance during others' presentations is required and will be monitored. The presentation will be worth 15% of your grade.

Exams: There will be three midterm exams and one final exam. Calculators will not be allowed unless otherwise noted. Makeup exams will only be given if a university excused absence is provided. Even then, you must notify the instructor of your absence no later than the day of the exam. For example, if you are sick the day of an exam, you must notify me *that day* and be prepared to present a doctor's note.

Grading: Grades will follow the standard 10-point scale and will be broken up as follows:

- Homework - 10%
- Presentation - 15%
- Exam 1 - 15%
- Exam 2 - 15%
- Exam 3 - 15%
- Final - 30%

Expectations:

- Students are expected to be respectful and to maintain a healthy learning environment.
- *Cell phones are not to be used in any capacity during class.*
- Please keep all graded materials until the final grade has been given. These must be presented if there are

any questions or complications regarding records during the term.

- All violations of academic integrity will be taken seriously and will be dealt with according to university policy.

- Please do not hesitate to stop by my office during office hours if you are having any issues in the class. If there are conflicts with my posted office hours, contact me by email to schedule a more feasible time.

- I am always available through email. Please have "ma201" in the subject line and be aware that mail received after 7:00 pm may not be answered until the following day.

Tentative schedule:

Date	Section	Notes
8/27	2.1	
9/1	2.2	Homework 1 due
9/3	2.3	
9/8	2.4	Homework 2 due
9/10	2.4	
9/15	3.2	Homework 3 due
9/17	3.3	
9/22	3.4	Homework 4 due
9/24	Review	
9/29	Exam 1	Chapter 2 & 3
10/1	1.1-1.2	
10/6	1.3	Homework 5 due
10/8	1.4	
10/13	1.5	Homework 6 due
10/15	1.6	
10/20	4.1	Homework 7 due
10/22	4.2	
10/27	4.3	Homework 8 due
10/29	Review	
11/3	Exam 2	Chapter 1 & 4
11/5	Presentations	
11/10	Presentations	
11/12	6.1	
11/17	6.2	Homework 9 due
11/19	6.3	
11/24	6.4	Homework 10 due
11/26	Thanksgiving Break	
12/1	Review	
12/3	Exam 3	Chapter 5 & 6
12/8	7.1	
12/10	7.2	
12/15	Final	Sec. 006, 3:30 pm
12/17	Final	Sec. 005, 1:00 pm