

Course Syllabus for MA 201: Mathematics for Elementary School Teachers

Section 002: TR 9:30am - 10:45am

Section 004: TR 12:30pm - 1:45pm

Contact Information:

Instructor: Megan Dailey

Office : POT 806

Office Hours: TR 2-3:30pm

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Course Webpage: www.ms.uky.edu/~mdailey

Textbook: *Mathematical Reasoning for Elementary Teachers* (5th Edition), by Long, DeTemple, and Millman. We will cover chapters 1-7.

Course Overview: This course is designed to clarify and strengthen your understanding of mathematical concepts that are used in the teaching of 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 explicitly affect your grade except during the weeks of student presentations.

Homework: There will be weekly homework assignments that will be collected *at the start of class every Tuesday*. It 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. Homework may be submitted late, but will receive a 1 point penalty per day up to five days after the due date. No homework will be accepted after five days. You may work with classmates, but you are each expected to turn in *original* work. Copying solutions from the back of the textbook and/or a solutions manual is considered cheating and will be dealt with as such. You will find the assignments posted on the course website. Each homework assignment will be worth a total of 10 points. You will earn 4 points for successfully completing *every* problem. The remaining 6 points will come from correctness on selected problems. On each assignment, you will be given one problem, denoted by an asterisk, that will be graded for correctness, the remaining problems to be graded for correctness will be selected randomly from the assignment. Homework will be worth 10% of your final grade.

Presentations: Chapter 5 will be taught through group presentations. Grades for the presentation 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 in the presence of a university excused absence. 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 (90-100% A, 80-89% B, etc.). Individual grade components and overall course grades may be curved up (but not down) to ensure a fair distribution of grades. Grades will be determined as follows:

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

Academic Integrity: All violations of academic integrity will be taken seriously and dealt with according to university regulations.

Classroom Decorum: You are expected to attend and *participate* in every class. I expect you to be respectful to me and the other students and to exhibit proper conduct. If you are disruptive, if you are sleeping, reading the newspaper, using your laptop, cell phone, or other wireless device, working on other homework, or for any other reason are not actively engaged in activities related to math class you will be asked to leave the classroom.

Resources: The office hours that I give above are dedicated to helping you. You can stop by any time during those hours without having to actually set up a time with me. If I ever will be missing an office hour, I will let you know. If it happens that you want to meet with me but cannot make any of these times, let me know through email and I will try to work with you to find a time good for both of us.

I am also available for questions through email. I will try to be prompt about answering emails, but I may not get to emails received after 5pm until the next day. Note that statements such as "I dont know how to do problem 11," are not questions. Please tell me what you have tried, directions you have attempted, and where the problem is occurring.

Also try the Mathskeller, located in the basement of the Classroom building, and the Study, located in the Commons Complex the Blanding Towers.

Tentative Schedule:

Date	Section	Notes
8/26	1.1-1.2	
8/31	1.3	Homework 1 due
9/2	1.4	
9/7	1.5	Homework 2 due
9/9	1.6	
9/14	2.1	Homework 3 due
9/16	2.2	
9/21	2.3	Homework 4 due
9/23	2.4	
9/28	2.4	Homework 5 due
9/30	Review	
10/5	Exam	
10/7	3.2	
10/12	3.3	Homework 6 due
10/14	3.4	
10/19	4.1	Homework 7 due
10/21	4.2	
10/26	4.3	Homework 8 due
10/28	Review	
11/2	Exam 2	
11/4	Presentations	
11/9	Presentations	
11/11	6.1-6.2	
11/16	6.2	Homework 9 due
11/18	6.3	
11/23	6.4	Homework 10 due
11/30	Review	
12/2	Exam 3	
12/7	7.1	
12/9	7.2	
12/14	Final	Section 002, 10:30am Section 004, 1:00pm