

Course Syllabus

Instructor: Tricia Muldoon
Office hours: TR: 2:30 pm – 3:30 pm
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Course: Ma 201 (Sections 003 and 005) :
Mathematics for Elementary Teachers

Section 003	11:00 - 12:15
Section 005	3:30 - 4:45

Semester: Fall 2006

Classroom: CB 343

Textbook: Mathematical Reasoning for Elementary Teachers, fourth edition, Long and DeTemple

Credits: 3

Meeting Times: Both sections meet TR at the following times:

Course Description: This course is designed to deepen the content understanding of mathematics that is needed for teaching elementary or middle school mathematics and to do so in such a way that emphasizes the national and Kentucky standards and principles for school mathematics. Expect to interact in groups frequently throughout the semester. Examples coming from actual K-6 student work will be included.

Prerequisites: MA 109 or equivalent.

Participation: I do not monitor attendance. However, your grade will ultimately be dependent upon participation. Participation includes showing up and getting involved in class, doing the homework assignments, improvement throughout the semester, etc. I strongly encourage you to get involved.

Homework (10%): Homework assignments will be a vital part of this course. There will be 10 total homework assignments given throughout the semester, each worth 1% of your total grade. I reserve the right to grade only part of the assignments. I encourage working with others, but you are responsible for writing up the assignment in your **own words**. Additionally, I expect relevant work to be shown and completeness in answers. **NO** late homework will be accepted unless you have a university excused absence. It is your responsibility to turn in the homework on time.

Exams (75%): There will be three exams throughout the semester and one final exam, thus making a total of 4 exams. Exams 1-3 will not be completely comprehensive, whereas the final **WILL** be comprehensive. The use of calculators will be allowed per the discretion of the instructor on the first 2 exams, but for exams 3 and 4 calculators will be prohibited. If a conflict arises and you cannot take an exam, please contact me **BEFORE** the exam. I am always available via my contact information above, so I see no reason as to why you cannot contact me. The dates of the exams are given in the topics overview. All exams will be in-class exams. Make-ups will not be given unless you have a university excused absence.

Project (15%) : Part of this class involves giving a student presentation to the class. A detailed description of the project will be given at least three weeks before the due date of the project. At this point, I will iterate that you will be working in groups and presenting as groups; attendance during the group presentations will be mandatory, out of respect for the presenters. More information will be conveyed to you later.

Grading: Your grade is calculated as follows:

Exam 1:	15 %
Exam 2:	15 %
Exam 3:	15%
Final Exam:	30 %
Presentation:	15%
<u>Homework (10 @ 1%):</u>	<u>10 %</u>
Final Grade	100 %

Below is a tentative day by day schedule of what we are going to cover. Please note that we may deviate from this at any point; this schedule is not set in stone.

Day by Day topics:

August 24: Section 2.1 and 2.2

August 29: Section 2.2 and 2.3
August 31: **HW 1**, Section 2.4

September 5: Section 3.1
September 7: **HW 2**, Section 3.2

September 12: Section 3.3, Last day to drop without a “W”
September 14: **HW 3**, Section 3.4

September 19: Section 3.5
September 21: **Exam 1**

September 26: Section 1.2
September 28: **HW 4**, Section 1.3

October 3: Section 1.3 and 1.4
October 5: **HW 5**, Section 1.5

October 10: Section 4.1
October 12: **HW 6**, Section 4.2

October 17: Section 4.3
October 19: **Exam 2**, Last day to drop with a “W”

October 24: Section 6.1
October 26: **Presentations**

October 31: **Presentations**
November 2: **Presentations**

November 7: Section 6.1

Final Thoughts: I am here to help you learn and appreciate math. As such, I am available to you by e-mail, office, or we can set up an individual appointment. I encourage group work, but the individual ideas must be understood by all. If at any time

November 9: **HW 7**, Section 6.1

November 14: Section 6.2
November 16: **HW 8**, Section 6.3

November 21: **Exam 3**
November 23: *Thanksgiving*

November 28: Section 7.1
November 30: **HW 9**, Section 7.2

December 5: Section 7.3
December 7: **HW 10**, Section 7.4

Exam week: **Final Exam (to be announced later)**

you have a question, please feel free to talk to me. Please do not wait until the end of the semester to confront me about grading problems, homework issues, etc. Have fun and good luck!