

Course Syllabus

MA 202

Instructor: **Matthew Wells**
Office hours: T-Th: 1:00 p.m. – 2:00 p.m. or by appt.
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Course: Ma 202 Sections 001 and 002:
Mathematics for Elementary Teachers

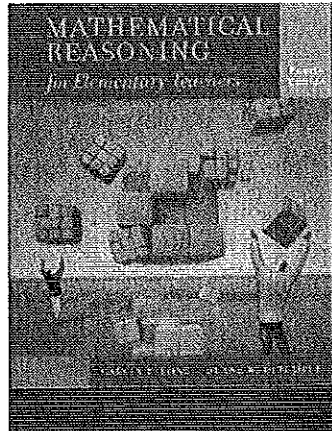
Semester: Spring 2008

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

Meeting Times: Tuesday / Thursday
Section 001 8:00 a.m. – 9:15 a.m.
Section 002 9:30 a.m. – 10:45 a.m.

Classroom: CB 343

Credits: 3



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. This is the second course in the MA 201-202 sequence, and we will be continuing to use the 4th edition of the book described above.

Prerequisites: MA 201 and MA 109 (or equivalents).

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. If you are to miss a class, it is YOUR responsibility to make sure any assignments get to me before the end of the class period in which the assignment is due.

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. Once the due date has passed, homework assignments will get a deduction dependent upon the lateness of the assignment (20% off for 1 class period late, 50% off for 2, no credit for 3 or more days late). 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 not be permitted on any exam. 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 and have made contact with me before the exam.

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. The objective of the presentations will be to convey mathematical ideas to a group of your peers and to demonstrate that you understand the content involved. 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:

January 10: Introduction to Conceptual Thinking

January 15: (last day to add a class) Section 9.1

January 17: (H-work I) Section 9.2

January 22: Section 9.2 and 9.3

January 24: (H-work II) Section 9.3

January 29: (last day to drop without a grade) Section 10.1

January 31: (H-work III) Section 10.1 and 10.2

February 5: Section 10.2

February 7: **EXAM 1**

February 12: Section 10.3

February 14: (H-work IV) Section 10.3 and 11.1

February 19: Section 11.1

February 21: (H-work V) Section 11.2

February 26: Section 11.2 and 11.3

February 28: (H-work VI) Section 11.3

March 4: Section 12.1

March 6: (last day to withdraw with a W) **EXAM 2**

March 11: **SPRING BREAK**

March 13: **SPRING BREAK**

March 18: Section 12.1 and 12.2

March 20: (H-work VII) Section 12.3

March 25: Section 12.4

March 27: (H-work VIII) Section 12.4

April 1: **EXAM 3**

April 3: (H-work IX) Section 13.1

April 8: **PRESENTATIONS**

April 10: **PRESENTATIONS**

April 15: **PRESENTATIONS**

April 17: **PRESENTATIONS**

April 22: Section 13.2

April 24: (Last day of class) Section 13.3

April 29: Section 002: **FINALS** at 8:00 a.m. in CB 343

April 30: Section 001: **FINALS** at 10:30 a.m. in CB 343

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 groupwork, but the individual ideas must be understood by all. If at any time 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. Also, there may