

Math for Elementary Teachers
Spring 2012
MA201 003
CB 343
TR 12:30-1:45pm
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S.P. Sturgeon
Office Hours:
TR: 2:00-3:00
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MA201-003 Course Syllabus

Textbook: Mathematical Reasoning by *C. Long, D. DeTemple, and R. Millman.*

Course content: In this course we will cover Chapters 1-6 of the textbook, though possibly non-linearly. The course is designed to clarify and strengthen your understanding of mathematical concepts that are used in the teaching of elementary school students. In particular, we will concentrate on the *why* more than the *how*.

Homework: There will be periodic homework assignments which will be taken up at the *start of class*. The exercises must be submitted in numerical order on loose-leaf paper (i.e., not ripped from a spiral-bound notebook). Your name and section number must be on the first page, and if there is more than one page, then the set of papers must be stapled together. Assignments submitted improperly will have points deducted. The homework will be graded for completion and will be worth 5% of your final grade.

Quizzes: There will be a quiz on each assigned HW set. The quiz will come directly from the homework and will be graded for correctness. Quizzes will be worth 10% of your final grade.

Exams: Exam Dates

1. Feb. 9
2. March 8
3. April 10
4. May 2 @ 8:00 (section 003) May 3 @ 3:30 (section 004)
Mid-Semester exams will be in the same room as lecture during class time. Midterms will be worth 15% each and the final will be worth 25%.

Presentations: Presentations will be completely defined in a later handout. The presentations will be group projects and will be worth 15% of your final grade.

Final Grade:

1. HW (5%)
2. Quizzes (10%)
3. Midterm Exams (45%)
4. Presentations (15%)
5. Final Exam (25%)

Grade breakdown is standard A: 90%–100%; B: 80%–89.9%; C: 70%–79.9%; D: 60%–69.9%; E: 0%–59.9%

Policies: Students are expected to attend every class. Make-up work will not be allowed except under extreme circumstances in which case the work must be completed by the deadline I assign for that particular case. Cheating will be punished by whatever I as the instructor deem as a just punishment up to failing the course.

Class Conduct: Students are expected to come to class prepared to study math/math education. Talking about non-math topics, using phones/computers, or other disruptive behavior is not allowed and will be compelled to stop. A student may be expelled from the classroom if behavior is not corrected. To prevent disturbing the classroom a student may not leave class early unless they have informed the instructor of a valid reason. Students who leave early without providing a reason will lose one point off their final grade.