

Math 300.2 (64460) - Fundamental Concepts in Mathematics - Spring 2016
MWF 12:20 → 1:10 LGRT 202

Professor: Eyal Markman

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Office hours: Wednesday 1:30 → 2:30 pm, Friday, 3:00 → 4:00 pm, and by appointment. Office hours are held in 1223G LGRT.

Course Web page: <http://www.math.umass.edu/~markman/> **Please check it often!** The homework will be posted here.

Text: *An Introduction to Mathematical Thinking (Algebra and Number Systems)*, by Gilbert and Vanstone, Prentice Hall, 2005.

Homework: Will be assigned weekly and will be due each Friday, unless mentioned otherwise. The homework will be graded by a special grader. Due to lack of funds, it will not be possible to grade all the homework problems assigned. A few of the homework problems will be corrected and graded every week. Nevertheless, for your own benefit, you will be asked to hand in *all* the homework problems assigned. Your grade on each homework assignment will be calculated as follows:

70% The grade on the corrected problems.

30% Credit for handing in *most* of the homework problems assigned. Partial credit will be given.

Late homework will not be collected. Instead, your two lowest grades will be dropped.

Quizzes: There will be weekly quizzes. Each will last about 10 to 15 minutes. Makeups will not be given. Instead, we will drop the two lowest quiz scores.

Grades:

Homework–20%

Quizzes–20%

Two Midterms–40% (each 20%)

Final Exam –20%

First Midterm: Wednesday, February 24, 6:00 - 7:30 PM.

Second Midterm: Wednesday, March 30, 6:00 - 7:30 PM.

Final: To be scheduled by the registrar. Make-ups will not be given to accommodate travel plans.

Co-seminar Math 391A: Math 300 has a required "co-seminar" Math 391A worth 1 credit. Every student who signs-up for Math 300 should also sign up for Math 391A, which will meet once a week. Attendance in both lectures and seminar is mandatory. The seminars are led by an undergraduate teaching assistant. Seminar times will be arranged during the first week of classes.

See back . . .

Syllabus:

Chapter 1: Sections 1.2 to 1.6.

Chapter 4: Sections 4.1, 4.2, 4.3.

Chapter 2: Sections 2.1 to 2.5.

Chapter 3: Sections 3.1 to 3.7.

Chapter 5: Section 5.1

Chapter 6: Sections 6.1 to 6.6 and section 6.9.

Other topics as time permits.