

Math 300.1 (35739) - Fundamental Concepts in Mathematics - Fall 2017
TuTh 1:0 → 2:15 LGRC A203

Professor: Eyal Markman

Office: LGRT 1223G

Office Phone: 545-2788

E-mail: markman@math.umass.edu

Office hours: Tuesday 2:30 → 3:30 pm, Thursday, 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 Thursday, 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 biweekly quizzes. Each will last about 10 to 15 minutes. Make-ups will not be given. Instead, we will drop the two lowest quiz scores.

Grades:

Homework—20%

Quizzes—15%

Two Midterms—40% (each 20%)

Final Exam —25%

First Midterm: Thursday, October 12, 6:00 - 7:30 PM.

Second Midterm: Monday, November 13, 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 Alex Fischer, 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.