

Math 300.4 (77031) - Fundamental Concepts in Mathematics - Fall 2018
TuTh 11:30 → 12:45 PM LGRT 204

Professor: Eyal Markman

Office: LGRT 1223G

Office Phone: 545-2788

E-mail: markman@math.umass.edu

Office hours: Tuesday 9:00 → 10:00 am, Thursday, 4:00 → 5:00 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.

Grades:

Homework–20%

Two Midterms–50% (each 25%)

Final Exam –30%

First Midterm: Thursday, October 11, 6:00 - 7:30 PM.

Second Midterm: Wednesday, November 14, 6:00 - 7:30 PM.

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

Discussion Sessions Math 300-04LL, LM, or LN: Math 300 has a required discussion section worth 1 credit, which will meet once a week on Wednesdays. Attendance in both lectures and seminar is mandatory. The seminars are led by Stefan Grosser, an undergraduate teaching assistant. Stefan's email: sgrosser@umass.edu

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.