

Math 300.02 (48059) - Fundamental Concepts in Mathematics - Spring 2025

TuTh 10:00 → 11:15 PM LGRT 206

Professor: Eyal Markman

Office: LGRT 1223G

E-mail: markman@umass.edu

Office hours: Tuesday 11:30 am → 12:30 pm, Thursday, 12:30 → 1:30 pm, and by appointment. Office hours are held in 1223G LGRT.

Course Web page: <http://people.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 and quizzes –20%

Two Midterms–50% (each 25%)

Final Exam –30%

Course Letter-grade Scale:

A	A–	B+	B	B–	C+	C	C–	D+	D	F
90	87	83	79	75	71	67	63	59	55	< 55

First Midterm: Thursday, March 13, during class period.

Second Midterm: Tuesday, April 22, during class period.

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

Discussion Sessions Math 300: Math 300 has a required discussion section worth 1 credit, which will meet once a week. Attendance in both lectures and discussion sessions is mandatory. The discussions are led by Yuxuan Yang, (yuxuanyang@umass.edu). His office hours will be posted on our web page.

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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.

For the required statements about academic honesty, accommodations, and title IX please see the following link <https://www.umass.edu/senate/book/required-syllabus-statements>