

Math 300.3 - Fundamental Concepts in Mathematics - Fall 2022

TuTh 1:00 → 2:15 PM LGRT 202

Professor: Eyal Markman

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Office hours: Tuesday 3:00 → 4:00 pm, Thursday, 2:30 → 3:30 pm, and by appointment. Office hours are held in 1223G LGRT. Masks are required to attend office hours.

Course Web page: <http://www.math.umass.edu/~markman/> (do not copy and paste, retype the special character). **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%

First Midterm: Tuesday, October 11, during class period.

Second Midterm: Tuesday, November 15, 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 seminar is mandatory. The seminars are led by Yasin Karacan (karacan@math.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.

Accommodation: The University of Massachusetts Amherst is committed to making reasonable, effective and appropriate accommodations to meet the needs of students with disabilities and help create a barrier-free campus. If you have a disability and require accommodations, please register with Disability Services (161 Whitmore Administration building; phone 413-545-0892) to have an accommodation letter sent to your faculty. Information on services and materials for registering are also available on their website www.umass.edu/disability.

Academic honesty: Since the integrity of the academic enterprise of any institution of higher education requires honesty in scholarship and research, academic honesty is required of all students at the University of Massachusetts Amherst. Academic dishonesty is prohibited in all programs of the University. Academic dishonesty includes but is not limited to: cheating, fabrication, plagiarism, and facilitating dishonesty. Appropriate sanctions may be imposed on any student who has committed an act of academic dishonesty. Instructors should take reasonable steps to address academic misconduct. Any person who has reason to believe that a student has committed academic dishonesty should bring such information to the attention of the appropriate course instructor as soon as possible. Instances of academic dishonesty not related to a specific course should be brought to the attention of the appropriate department Head or Chair. Since students are expected to be familiar with this policy and the commonly accepted standards of academic integrity, ignorance of such standards is not normally sufficient evidence of lack of intent (http://www.umass.edu/dean_students/codeofconduct/acadhonesty/).