

Class meetings: Tuesday 6:30 PM – 9:20 PM

Falmouth 311

Instructor: Professor Alexander Kheifets

Office: Southwick 350J

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Office Hours: Monday 3:30 – 5:30 p.m.
 Tuesday 3:30 – 5:30 p.m. And by appointment

Recommended Text:

Charles C. Pinter, A Book of Abstract Algebra: Second Edition (Dover Books on Mathematics) [Paperback]; Dover Publications, 2d edition, 2010; ISBN-10: 0486474178; ISBN-13: 978-0486474175

Goals of the course: This is the first course in Abstract Algebra. It introduces Group, Ring and Field theories. I plan to cover (with some exceptions) Chapters 2-20, 24, 25 of the recommended text.

Prerequisites: Discrete Structures I.

Homework: Problems for practice will be assigned regularly. They all will be selected from the recommended text. It is essential to success in this course that you complete the assigned problems. Typically, the home assignments will not be graded. However, there occasionally might be a quiz based on the home assignments that will be graded. Some of the assigned problems will be discussed in class by your request or my understanding of necessity. I also will be happy to answer your questions on material we cover and/or on the homework assignments in class, during my office hours and meetings by appointment. You are strongly encouraged not to miss these opportunities.

Exams: There will be three exams (all three are equally weighed). They will consist of the in-class and take-home parts. In-class parts of the first two exams are tentatively scheduled for the 5-th and the 10-th weeks. The in-class part of the third exam is the final exam (the date and time are scheduled by the Registrar). Take-home parts will be given one week before the in-class exam, they will be due on the day of the in-class exam.

Grading: The grades will be assigned according to the following scale

A	90-100%	B-	77-79	D+	63-66
A-	87-89	C+	73-76	D	60-62
B+	83-86	C	70-72	F	< 60%
B	80-82	C-	67-69		

Academic Integrity

Academic dishonesty is prohibited in all programs of the University and sanctions may be imposed on any student who commits an act of academic dishonesty. Details on UML policy can be found at

<https://www.uml.edu/catalog/undergraduate/policies/academic-policies/academic-integrity.aspx> and <http://www.uml.edu/Catalog/Graduate/Policies/Academic-Integrity.aspx>.

Note that any incident which results in some action being taken must be reported to the Provost's Office.