

Peter Sin

Department of Mathematics

College of Liberal Arts and
Sciences

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University of Florida

Introduction to Algebra 1 , Fall 2024 (MAS5311-8526/MAT4930-08B8)

Instructor: Prof. Peter Sin ([Dr Sin's home page](#))

Time and Location

MWF per. 3, LIT 219

Office Hours:

Dr Sin : W per. 6, F per. 5 and by appointment. Little 432.

Textbook:

Abstract Algebra, 3rd Edition, by D. S. Dummit and R. M. Foote. A list of errata for this book is available [here](#)

Aim of Course

This course is the first part of a two semester sequence to prepare students for the First Year Algebra Exam. In this sequence the student will learn the basic concepts and results in algebra. Full mathematical rigor and abstraction are used throughout. The first semester focuses mainly on group theory, with material taken from chapters 1-6 of the text. In the second semester the main topics are rings and modules and fields, with material selected from chapters 7-13 of the text.

Grading

Grades will be based on graded homework assignments (40%), a midterm (25%) and a final exam (35%). Mathematical accuracy and clarity of exposition are the qualities which will earn high marks.

Midterm: Friday October 25th (usual class time and room).

Final : Thursday December 12, 12.30-2.30 p.m. (usual room).

Resources

First Year Algebra Exam Syllabus

GMA Archive of past First Year algebra exams

Disabilities statement

Students with disabilities requesting accommodations should first register with the Disability Resource Center (352-392-8565, <http://www.dso.ufl.edu/drc/>) by providing appropriate documentation. Once registered, students will receive an accommodation letter which must be presented to the instructor when requesting accommodation. Students with disabilities should follow this procedure as early as possible in the semester.

Health and Wellness

U Matter, We Care: If you or a friend is in distress, please contact umatter@ufl.edu or 352-392-1575 so that a team member can reach out to the student.

Counseling and Wellness Center: <http://www.counseling.ufl.edu>, 352-392-1575.

Sexual Assault Recovery Services (SARS)

Student Health Care Center, 352-392-1161.

University Police Department, 392-1111 (or 9-1-1 for emergencies). <http://www.police.ufl.edu/>

Honor Code

UF students are bound by The Honor Pledge which states, "We, the members of the University of Florida community, pledge to hold ourselves and our peers to the highest standards of honor and integrity by abiding by the Honor Code.

On all work submitted for credit by students at the University of Florida, the following pledge is either

required or implied: "On my honor, I have neither given nor received unauthorized aid in doing this assignment."

The Honor Code (<http://www.dso.ufl.edu/sccr/process/student-conduct-honor-code/>) specifies a number of behaviors that are in violation of this code and the possible sanctions.

Furthermore, you are obliged to report any condition that facilitates academic misconduct to appropriate

personnel. If you have any questions or concerns, please consult with the instructor of this class.

Course Evaluations

Students are expected to provide professional and respectful feedback on the quality of instruction in this course by completing course evaluations online via GatorEvals. Guidance on how to give feedback in a professional and respectful manner is available at <https://gatorevals.aa.ufl.edu/students/>. Students will be notified when the evaluation period opens, and can complete evaluations through the email they receive from GatorEvals, in their Canvas course menu under GatorEvals, or via <https://ufl.bluera.com/ufl/>. Summaries of course evaluation results are available to students at <https://gatorevals.aa.ufl.edu/public-results/>.

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