

[Home](#)[Research](#)[Recent Publications
and Preprints](#)[MAP Section
4305/5304 –
Intermediate
Differential
Equations – Fall
2022](#)[MAS 5311 –
Introduction to
Algebra 1 – Fall
2022](#)[MAP 4305/5304
Sections
23GH/9602 –
Intermediate
Differential
Equations – Spring
2022](#)[MAS 7397 –
Advanced Topics in
Algebra](#)[MAP 4305/5304
Sections 0099/3234
– Intermediate
Differential
Equations – Fall
2021](#)

MAS 5311 – Introduction to Algebra 1 – Fall 2022

- Instructor: Dr. Richard Crew, Little Hall 404
- Office Hours TBA
- email: rcrew@ufl.edu
- Classroom and meeting time: Little Hall 207, MWF3

Course Description

This is the first semester of a two-semester sequence in abstract algebra, designed to prepare first-year graduate students for the first-year exams. After a brief review of some basics, this semester will focus on group theory: groups, subgroups, quotient groups, group actions, Sylow theory, direct and semidirect products, structure of finitely generated abelian groups, solvable and nilpotent groups. The text is the third edition of Dummit and Foote's *Abstract Algebra*, and we will cover most of the first five chapters and some of the sixth.

Prerequisites

You should have successfully taken at least one undergraduate course in abstract algebra, and a linear algebra course in which proofs were required.

Course Format and Grading

Grades will be based on periodic homework assignments. Final letter grades will be assigned in the usual way: A, 91%-100%; B, 81%-90%; C, 71%-80%; D, 61%-70%; E, 60% or below. This scale may be changed later on.

Course Policies

- The student should be familiar with the University's Academic Honesty Policies
- Attendance will not be taken, but it is the student's responsibility to attend classes, and to get notes for the lectures if a class must be missed. This policy is consistent with university regulations on attendance.
- Makeups for exams must be arranged in advance, except in the case of a documented medical emergency. Acceptable reasons for missing an exam are serious family emergencies, special curricular requirements of other units of the University, military obligations, religious holidays, severe weather conditions, or

MAS 7396 – Advanced Topics in Algebra

Homological Algebra Seminar (Summer 2021)

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court-imposed legal obligations.

- Students requiring accommodation for disabilities must make arrangements through the Disability Resource Center.
- Students are expected to provide feedback on the quality of instruction by completing online evaluations. Typically this process takes place during the last weeks of the semester. The results of the evaluations are available when they are tabulated.
- Please silence your cell phones.

Metadata

This web page is the authoritative source for the syllabus and course requirements, and supersedes all previous versions.



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