

MAS5312 Section 2779depX – Spring 2023 Course Syllabus

- Course Meeting Time: MWF3 in LIT 217
- Instructor: Dr. Richard Crew, LIT 404
- Instructor email: rcrew@ufl.edu
- Offices Hours: TBD

Course Description

This course is the second semester of a sequence intended to prepare students for the first-year algebra examinations. Topics to be covered: ring theory, modules over a ring, linear algebra, modules over a principal ideal domain, and the basic theory of fields. The prerequisite is MAS5311 or equivalent.

We will continue to use Dummit & Foote's *Abstract Algebra* and we will cover chapters 7 through 13. Other texts may on occasion be suggested.

Grading Policies

The final letter grade will be determined by homework assignments, given at approximately weekly intervals, and a number of short quizzes. All problems assigned will count equally to the final grade. Final letter grades will be assigned according to the following scale:

- A: 90% to 100%
- B: 80% to 89%
- C: 70% to 79%
- D: 60% to 69%
- E: 59% or below.

Plus and minus grades will be assigned for percentages near a boundary of two consecutive letter grades. The exact scale will be determined later. I may also adjust the above percentages during the second half of the course.

Submission of assignments: Assignments will be announced (with due dates) on the CANVAS page for this course; they are due by 5pm on the due date specified. I greatly prefer that assignments be handed in during class. If at all possible you should use LaTeX in the preparation of your work. It's about

time you learned this anyway. Grades for each assignment will be posted on CANVAS.

Quizzes. These will be given at times to be determined later; grades will be posted on CANVAS. If you must miss a quiz you should arrange for a makeup *before* the quiz. Acceptable reasons for missing a quiz include the following: severe illness or injury to yourself or a close family member, curricular requirements of other University Units, court-ordered appearances, jury duty or compulsory military duty.

Getting help: Feel free to ask me for help and hints. This resource is vastly under-utilized.

Policy on late homework: I will accept late homework at my own discretion, and may subtract points from your grade. Allowances will be made for (verifiable) illness.

Return of graded material: Please allow at least one week for this.

These policies are consistent with general UF policies.

Other Course Policies

Attendance. Attendance will not be recorded. If you have to miss a class it is your responsibility to find out what happened during class and get notes, if at all possible from other students. I do not necessarily have useful notes for each class. These policies are consistent with general UF policies.

Honor pledge. 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 specifies a number of behaviors that are in violation of this code and the possible sanctions. Furthermore, you are obligated to report any condition that facilitates academic misconduct to appropriate personnel. If you have any questions or concerns, please consult with the instructor.

Diversity. The Mathematics Department is committed to diversity and inclusion of all students. We acknowledge, respect, and value the diverse nature, background and perspective of students and believe that it furthers academic achievements. It is our intent to present materials and activities that are respectful of diversity: race, color, creed, gender, gender identity, sexual orientation, age, religious status, national origin, ethnicity, disability, socioeconomic status, and any other distinguishing qualities.

Accommodation for disabilities. Students requiring such accommodations should connect with the Disability Resource Center by visiting

<https://disability.ufl.edu/students/get-started/>.

This class supports the needs of different learners; it is important for students to share their accommodation letter with their instructor and discuss their access needs as early as possible in the semester.

Cell phones. Please keep them off.