

Syllabus MAT 534 Fall 2018

Instructor. Professor Mark Kleiner, 317B Carnegie, x1497, mkleiner@syr.edu.

Lectures. TuTh 12:30pm - 1:50pm in 114 Carnegie.

Office Hours. Tu 3:00pm - 3:50pm, Th 10:00am - 10:50am, and by appointment.

Course Description. MAT 534, Introduction to Abstract Algebra (3 credits). Theory of groups, rings, and fields, including the integers and polynomial rings. Prerequisites: MAT 531 OR GRADUATE STANDING IN MATHEMATICAL SCIENCES. *This course is designed primarily for mathematics majors.*

Text. *Modern Algebra, An Introduction*, by John R. Durbin, John Wiley & Sons, Sixth Edition, 2009. We will cover Chapters I – VI and VIII with some additions and omissions.

Homework. Homework will be collected. Questions on examinations will be modeled on homework questions, so it is essential to learn how to solve homework problems.

Attendance. Attendance is essential to success in this course.

Tests. There will be two midterm examinations and a final examination. The final examination will be given on Thursday, December 13, 2018, 3:00pm – 5:00pm. **Do not make plans to leave campus before 5:00pm on Thursday, December 13.**

Grading. Each of the two midterms is worth 20% of the course grade, the homework is worth 25%, and the final exam is worth 35%. If you must miss an examination, please contact your instructor promptly, if possible well before the scheduled date of the examination.

Students with disabilities. If you believe that you need accommodations for a disability, please contact the Office of Disability Services(ODS), <http://disabilityservices.syr.edu>, located in Room 309 of 804 University Avenue, or call (315) 443-4498 for an appointment to discuss your needs and the process for requesting accommodations. ODS is responsible for coordinating disability-related accommodations and will issue students with documented Disabilities Accommodation Authorization Letters, as appropriate. Since accommodations may require early planning and generally are not provided retroactively, please contact ODS as soon as possible. Related link: <http://disabilityservices.syr.edu/faculty-staff/syllabus-statement/>

Religious observances policy. SU religious observances policy recognizes the diversity of faiths represented among the campus community and protects the rights of students, faculty, and staff to observe religious holidays according to their tradition. Under the policy, students are provided an opportunity to make up any examination, study, or work

requirements that may be missed due to a religious observance provided they notify their instructors before the end of the second week of classes. Students have access to an online notification form through MySlice that they can use to notify their instructors. Related link: http://supolicies.syr.edu/studs/religious_observance.htm

Academic Integrity. Syracuse University's Academic Integrity Policy holds students accountable for the integrity of the work they submit. Students should be familiar with the policy and know that it is their responsibility to learn about course-specific expectations, as well as about University policy. The University policy governs appropriate citation and use of sources, the integrity of work submitted in exams and assignments, and the veracity of signatures on attendance sheets and other verification of participation in class activities. The policy also prohibits students from submitting the same written work in more than one class without receiving written authorization in advance from both instructors. The presumptive penalty for a first offense by an undergraduate student is course failure, accompanied by a transcript notation indicating that the failure resulted from a violation of Academic Integrity Policy. The standard sanction for a first offense by a graduate student is suspension or expulsion. For more information and the complete policy, see <http://academicintegrity.syr.edu>. Related links: The Academic Integrity Policy: <http://academicintegrity.syr.edu/academic-integrity-policy/> Twenty Questions and Answers about the Academic Integrity Policy: <http://academicintegrity.syr.edu/faculty-resources/> What does academic integrity mean?: <http://academicintegrity.syr.edu/what-does-academic-integrity-mean/>