

Syllabus MAT631 Fall 2014

Instructor. Mark Kleiner, 317B Carnegie, 443-1497, mkleiner@syr.edu

Room. 115 Carnegie

Time. TuTh 11:00am – 12:20pm

Office Hours. Tu 2:10 – 3:00pm, Th 10:00 – 10:50am, and by appointment.

Textbook. *Algebra* by Michael Artin, Second Edition, Prentice Hall, 2011. We will cover parts of Chapters 2 – 8 including:

(a) Linear algebra: linear transformations, eigenvectors, diagonalization, inner product spaces.

(b) Groups: quotient groups, group actions, Sylow theorems.

Prerequisites. MAT531 and MAT534.

Grading. The course grade will be based on the homework (30%), two midterm exams (20% each), and a final exam (30%).

Homework. There will be weekly assigned sets of problems.

Midterms. Exam 1: Tuesday, October 7
Exam 2: Tuesday, November 11

Final Exam. Thu, Dec 11, 12:45 - 2:45pm

Academic Integrity. The Syracuse University 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 the instructor's and general academic expectations with regard to proper citation of sources in written work. The policy also governs the integrity of work submitted in exams and assignments as well as the veracity of signatures on attendance sheets and other verifications of participation in class activities. Serious sanctions can result from academic dishonesty of any sort.

Religious observances. A student who plans to miss an exam, quiz, or homework submission due to a religious observance should *notify the instructor in writing one week before the absence*.

Disabilities. Students who are in need of disability-related academic accommodations must register with the Office of Disability Services (ODS), 804 University Avenue, Room 309, 315-443-4498. Students with authorized disability-related accommodations should provide a current Accommodation Authorization Letter from ODS to the instructor and review those accommodations with the instructor. Accommodations, such as exam administration, are not provided retroactively; therefore, planning for

accommodations as early as possible is necessary. A student with disabilities for which special considerations are necessary should contact the instructor in *the first two weeks of the class*.