

**MAT 737 — REPRESENTATIONS OF GROUPS AND ALGEBRAS
FALL 2014**

instructor: Professor Mark Kleiner
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time & place: 111 Carnegie, TuTh 12:30–1:50PM
text: M. Auslander, I. Reiten, and S. O. Smalo,
Representation Theory of Artin Algebras, Cambridge U. Press, 1995.
office hours: Tu 2:10–3:00PM, Th 10:00–10:50AM, and by appointment.

Prerequisites. MAT 731.

Course description. The course covers representation theory of artin algebras with an emphasis on the Auslander-Reiten theory and representations of quivers.

Material covered. Chapters I–VIII with some omissions.

Grading and evaluation. There will be assigned homework problems in order for you to keep up with the development of the material. Your answers will be assessed either by oral presentation (based on written work) or by being collected. Your grade will be based on these homework problems.

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 instructor 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. For more information and the complete policy, see academicintegrity.syr.edu.

Students with 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. For further information, see the ODS website, Office of Disability Services disabilityservices.syr.edu.