

MAT 562 Elementary Topology Spring 2013

Instructor, Address, and Email:

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Classes: Tu and Th, 9:30 – 10:50, 114 Carnegie

Office Hours: TBA

Text: *Elementary Topology*, by Gemignani, Second Edition, Dover Publications, 1990.

Prerequisites: MAT 275 or CIS 275, and MAT 512. (Or graduate standing).

Course Description: The course gives an introduction to topological and metric spaces and to important properties of such spaces such as compactness and connectedness. We will also see how topological ideas can be used to give conceptually simple proofs for some well-known theorems about continuous functions.

Exams: There will be one or two midterm exams and a cumulative final examination. The final exam is scheduled for Wednesday, May 8, 2013, 8:00 – 10:00, 114 Carnegie.

Homework: Homework problems to be collected and graded will be assigned regularly. You may collaborate with fellow students, but if so, each student should contribute equally, and the work you turn in should be your own, in your own words.

Academic Integrity: The Syracuse University Academic Integrity Policy holds students accountable for the integrity of the work they submit. For more information and the complete policy, see <http://academicintegrity.syr.edu>.

Students with Disabilities: If you believe that you need accommodations for a disability, please inform the course instructor at the beginning of the semester and 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.