

MAT 661 Syllabus – Fall 2018 Introduction to Topology

Instructor: Jack Ucci, 306B Carnegie, jjucci@syr.edu, 3-1492

Classes: Tu and Th 9:30 -10:50 A.M. 219 Carnegie

Office Hours: TBA

Prerequisites: MAT 512 or graduate standing in Mathematical Sciences

Primary Text: T. Lawson: **Topology: A Geometric Approach**

Course Description:

The course will cover parts of Chapters 1, 2, 3, and 5 of the text. Chapter 1 covers the standard elementary properties of topological spaces; Chapter 2 provides a geometric treatment of the Classification Theorem of surfaces via handlebodies; Chapter 3 introduces the fundamental group; and Chapter 5 introduces CW complexes.

Similar material can also be found in Chapters 2, 3, 9, 11, and 12 of **Munkres: Topology 2nd Edition**; the treatment however is less geometric.

Exams/Problem Sets: There will be a written midterm exam in the middle of the course and a written cumulative final exam. In addition, there may be a project assigned. Your course grade will be based on these exams and project. Problems will be assigned at regular intervals but will not count toward your grade.

Academic Integrity: See Syracuse University's Academic Integrity Policy at <http://academicintegrity.syr.edu/>

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 303 of 804 University Avenue, or call (315) 443-4498 or TDD: (315) 443-1371 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. You are also welcome to contact me privately to discuss your academic needs although I cannot arrange for disability-related accommodations.

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 <http://academicintegrity.syr.edu>

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