

## **MAT 661 Syllabus – Fall 2016 Introduction to Topology**

**Instructor:** Jack Ucci, 306B Carnegie, [jjucci@syr.edu](mailto:jjucci@syr.edu), 3-1492

**Classes:** Tu and Th 9:30 -10:50 A.M. 111 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 properties of topological spaces; Chapter 2 provides a geometric treatment of the classification theorem of surfaces via handlebodies; Chapter 3 introduces the algebraic invariant, the fundamental group; and Chapter 5 considers the special topological spaces: CW complexes.

Similar material can also be found in Chapters 2, 3, 9, 11, and 12 of **Munkres: Topology 2<sup>nd</sup> 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 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 the grade.

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**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.

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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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