

**MAT 661**  
**Fall 2011**

**Introduction to Point Set Topology**

**Instructor:** Professor Jack Ucci

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**Office Hours:** Tu 2 - 3, Th 2 - 3 and by appointment

**Classes:** Tu and Th 11:00 A.M. – 12:20 P.M., 233 Physics

**Texts:** *Topology*, 2<sup>nd</sup> edition, by James R. Munkres; *Algebraic Topology*, by Allen Hatcher, available online at <http://www.math.cornell.edu/~hatcher/AT/AT.pdf>

**Course Description:** In the first two-thirds of the course we study properties of Topological Spaces and Continuous Maps. In the last third of the course we study the Fundamental Group of a space using Covering Spaces. Material for the first part will be drawn from Chapters 2-5, 7 in Munkres book; material for the second part will be found in Chapters 9, 11, and 13 in Munkres book and in Chapter 1 in Hatcher.

**Grading Policy:** There will be a midterm and a final. The midterm will cover topics from the first part of the course. The Final Exam will *cover the rest of the material* (note however that the Final Exam will implicitly make use of the prior material). Each will count 50% of the grade.

Homework problems will be assigned and some will be collected for grading (which will *not* count toward your course grade). They will indicate how you are doing in the course and also how I grade. Although the homework problems do not enter into the grade, they nevertheless are the heart of (learning) the course.

Students are encouraged to make use of my office hours to discuss problem solutions or other items of interest. You are welcome whenever I am in my office (which is often), so feel free to stop by.

**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 309 of 804 University Avenue, or call (315) 443-4498 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.

Syracuse University and I are committed to your success and to supporting Section 504 of the Rehabilitation Act of 1973. This means that in general no individual who is otherwise qualified shall be excluded from participation in, be denied benefits of, or be subjected to discrimination under any program or activity, solely by reason of having a disability.