

STUDENT SYLLABUS
Fall 2008

DIFFERENTIAL TOPOLOGY

MTG 5932-02

WHERE COURSE MEETS: 104 Love Building

WHEN COURSE MEETS: MWF 12:20-1:10

INSTRUCTOR: Dr. Eric P. Klassen (klassen@math.fsu.edu)

WEBSITE: <http://www.math.fsu.edu/~klassen/>

OFFICE: 109 Love Building

OFFICE HOURS: Tues 1-2; Thurs 1-2; Fri 2:15-3:00. Also, by appointment.

PREREQUISITES: Linear Algebra and Advanced Calculus. It would also be beneficial to have taken Topology I and II, but it is not required.

TEXT: Topology from the Differential Viewpoint, by John Milnor

COURSE CONTENT: We will begin by reviewing some basics of multivariable calculus, including the inverse and implicit function theorems. We will then follow Milnor's beautiful (but somewhat terse!) book.

ATTENDANCE: Your attendance score is (days you attended + excused absences)/(total class days).

REQUIRED WORK: There will be weekly written homework assignments, a midterm exam, and a final exam.

GRADING: HW(25%); Midterm(25%); Final(40%); Attendance(10%).

FINAL EXAM: Friday, December 12, 7:30-9:30 am.

HONOR CODE: The Academic Honor System of The Florida State University is based on the premise that each student has the responsibility 1) to uphold the highest standards of academic integrity in the student's own work, 2) to refuse to tolerate violations of academic integrity in the University community, and 3) to foster a high sense of integrity and social responsibility on the part of the University community. Please note that violations of this Academic Honor System will not be tolerated in this class. Specifically, incidents of plagiarism of any type or referring to any unauthorized material during examinations will be rigorously pursued by this instructor. Before submitting any work for this class, please read the "Academic Honor System" in its entirety (as found in the FSU General Bulletin and in the FSU Student Handbook and ask the instructor to clarify any of its expectations that you do not understand.

AMERICAN DISABILITIES ACT: Students with disabilities needing academic accommodations should: 1) register with and provide documentation to the Student Disability Resource Center (SDRC); 2) bring a letter to the instructor from SDRC indicating you need academic accommodations. This should be done within the first week of class.