

STUDENT SYLLABUS
Spring 2008

ALGEBRAIC TOPOLOGY II

MTG5347-01

WHERE COURSE MEETS: 107 Love Building

WHEN COURSE MEETS: MWF 1:25-2:15 PM

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

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

OFFICE: 109 Love Building

OFFICE HOURS: MW 10-11am; F 2:15-3:00pm

PREREQUISITES:

Algebraic Topology I (or permission of instructor)

TEXT: Algebraic Topology, by Allen Hatcher. This book is for sale, but it is also available for free download from Hatcher's website: <http://www.math.cornell.edu/~hatcher/AT/ATpage.html>. This is perfectly legal; Hatcher has negotiated this unusual arrangement with the publisher.

COURSE CONTENT: Cohomology, Duality theorems for manifolds, basic Homotopy Theory.

HOMEWORK: Hatcher's book has many excellent exercises. I will periodically suggest some of these to further your understanding, but will not collect them. Every student is required to present the solution of at least one HW problem to the class during the semester. These solutions should be clearly presented, and substantially correct. If a student never gives such a presentation, that student's grade will be lowered by one gradepoint. (A to B, or B to C, etc.) (See Grading/Attendance below.)

GRADING/ATTENDANCE: Your grade will be based on attendance and participation. Assuming you present at least one HW problem, your grade is a function of the number of absences you have:

0-5: A 6-10: B 11-15: C 16-20: D > 20: F

If your grade is adversely affected by absences which have a documented and excusable reason (for example your health, or travel which is required by your graduate advisor), then, if you show me adequate documentation, I will allow you to raise your grade by up to one grade point if you hand in a make-up project (which I will assign to you if the need arises). However, if you never present a HW problem, your grade will be lowered by a full gradepoint from the above scale.

EXAMS: There will be no exams.

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.