

MTG 5326 - TOPOLOGY I - SYLLABUS - Fall 2004

INSTRUCTOR: Sergio Fenley

Office: 214 Love

phone: 644-8711

email: fenley@math.fsu.edu

Classes: Tu/Th 11:00 - 12:15

Office hours: Mondays: 11:00 - 12:00, tuesdays: 2:20 - 3:10 or by appointment.

TEXTBOOK: Topology (second edition), by James Munkres.

COURSE CONTENT: Chapters 1-8 of the text.

COURSE OBJECTIVES: The goal of the course is to introduce and develop the basic concepts of topology: topological spaces, continuous functions, connectedness, compactness, separation axioms, metric spaces, function spaces and a little bit of manifolds. The focus will be on a deeper understanding of the concepts and their interplay as well as carefully presented arguments.

GRADES: There will be 3 regular in term exams. The final exam will be on the last day of classes, 12/02 during normal class hours. Each counts for 100 points. There will be weekly homework which will be collected and a random selection of problems in each homework assignment will be graded. The final numerical average is obtained by $(E1 + E2 + E3 + F + 2H)/6$. The final letter grade will be determined by the numerical grade by a scale which will not be tougher than the following: A: 90-100, B: 80-89, C: 70-79, D: 60-69, F: 0-59. Plus/minus letter grades will be assigned to high/low numerical grades. A grade of I (incomplete) will not be given to avoid a grade of F or to give additional study time. Failure to process a course drop will result in a course grade of F.

EXAM POLICY: No make up exams will be given. A missed exam will have its grade replaced by the final exam score.

SCHEDULE: Test 1: Thursday, 9/16

Test 2: Thursday, 10/14

Test 3: Tuesday, 11/9

Test 4/Final: In class - Thursday, 12/2.