

MTG 5317-001 — Topology II

Spring 2009, TR 09:30 am -10:45 am — PHY 109

Instructor: Mohamed Elhamedadi (Ph.D., Assistant Prof.)

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Office hours (tentative): TR 03:00 pm-04:00pm, and by appointment.

Prerequisite: MTG 5316 (Topology I).

Texts:

1. *Topology*, by Munkers, Second edition, Prentice-Hall, 2000, ISBN# 0-13-181629-2.
2. Elements of Algebraic Topology, by Munkers, Westview Press, 1984. ISBN# 0-201-62728-0
3. Algebraic Topology, Cambridge University Press, 2002. (Free at www.math.cornell.edu/hatcher.)

Material to be covered: Chapters 9, 11, 12 and 13 from Munkres and the material on (co)Homology from Munkres and Hatcher.

Presentations will be assigned. Each student will make an in-class presentation based on material chosen from the book(s) in consultation with the instructor. Notes or tapes of class lectures are not permitted for sale.

Tests: There will be three hour-exams:

Exam # 1 : Tuesday, February 3

Exam # 2 : Tuesday, March 10

Exam # 3 : Thursday, April 23

Hour-exams will be given in class during regular meeting time and room. The sections covered by each exam will be announced in class.

Homework: will be assigned in class.

Grades: Hour-exams count for 45% (15% each), homework count for 30% (10% each), and the presentation counts for 25%, of your grade. The grades are determined (out of 100) by:
 $97 \leq A+ \leq 100$, $93 \leq A \leq 96$, $90 \leq A- \leq 92$, $87 \leq B+ \leq 89$, $83 \leq B \leq 86$, $80 \leq B- \leq 82$,
 $77 \leq C+ \leq 79$ etc.