MATH 203, FALL 1999

POINT SET TOPOLOGY

Course Outline

Instructor: Viktor Ginzburg
AS 353C, ginzburg@cats.ucsc.edu
Office hours: Tu 10:00–11:30am, Th 12:00–2:00pm
or by appointment

Meetings: TuTh 8:00-9:45pm, AS360

Text: *Topology*
A First Course
by James R. Munkres
1975, Prentice–Hall, Inc.

Homework assignments and exams: Homeworks will be collected in class every week. Homework pages should be stapled or clipped together. There will one midterm.

Syllabus: The main focus of the course is on basic notions and theorems from point set topology. Various special classes of topological spaces, examples, and applications will be given particular attention in this course.

The topics covered will include

1. topological spaces, continuous functions,
2. connectedness and compactness,
3. countability and separation axioms,
4. the Tychonoff theorem and metrization theorems,
5. spaces of functions.