Math 262 Point Set Topology

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TuTh 11-12:20 Eck 202

Office hours.
SW, Eck 403: Monday 2 - 3:30 & by appointment
NM, MathStat 014: Wednesday 4-6 & by appointment

Problem session - to be scheduled.

Homeworks will be assigned on Tuesday and due the following Tuesday, except for week 1, when it is assigned on Thursday and due Thursday at class time. Homeworks turned in late will have a 50% penalty. People may work together, but all solutions should be written up separately, expressed in your own words.

Exams: There will be one midterm and one final. The midterm will be in-class on Tuesday February 6.

The grade will be based on 30% homework, 30% midterm and 40% final.

Syllabus: We will mainly follow the text Munkres, Topology 2nd edition. The pace will be approximately one chapter a week with a goal to get through the most important material in the first 9 chapters.

Homework 1: Due Thursday January 11

Read Chapter 1 on set theory and make sure that everything there seems easy except perhaps sections 7, 9, 10, 11. (In particular, section 8 should be easy.) These later sections are important and you should gain understanding with time.

Do problems:
p.51: 4,5,6,7
p.61: 2,5,7
p.66: 3,6,7,10

Homework 2: Due Tuesday January 16

Do problems:
p.72: 8
p.83: 3, 4, 8
p.92: 3, 4, 7
p. 100: 4, 5, 7, 13.