

Topology I, Fall 2009

Time: MWF 8:00–8:50 a.m.

Room: Witmer 309

Text: *Topology, 2nd Ed.* by James R. Munkres

Instructor: Richard P. Millsbaugh

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Office: Witmer 311

Hours: MTWRF 9:00–9:50 am

or by appointment

Final Exam: Wednesday, December 16 at 8:00 am

Course Content and Goals. Math 520 is the first half of a two semester course in topology. The emphasis of the course is on point-set topology. Topics covered in the course will include open and closed sets, bases for topologies, the subspace topology, topologies on products, the metric topology, connectedness, compactness, Countability Axioms, Separation Axioms, compactifications, the Urysohn Metrization Theorem, and the Tychonoff Theorem. Additional topics will be chosen according to the interests of the class.

Class Participation. A typical day of class will involve both lecture and discussion. Your participation is required to make discussions successful. I haven't done my job if all I do is read the book to you; you haven't done your job if all you do is fill a chair every day.

Homework. You will be asked to carefully write up and hand in several homework problems each week. You are encouraged to discuss these problems with other students in the class, but please make sure that you figure out how to write them up on your own. At the end of the semester, homework will make up approximately 50% of your grade in this class.

Tests. I will give one 50 minute test approximately half way through the semester. This test will be worth 80 points.

Final Exam. There will be a comprehensive final exam on Wednesday, December 16 at 8:00 am. The final exam in this course is worth 120 points.

Office Hours. I encourage you to make use of my office hours to discuss mathematics, your schedule, the weather, or whatever else you feel the need to discuss. You may also try to find me at other times, but please understand that I might occasionally be involved in something that cannot be interrupted. In general, if my door is open then I'm probably available and if my door is closed then I'm probably not. If my door is open and I'm not in the office, you may have the department secretary (in room 313) track me down.

Accommodations. If DSS has verified your need for some appropriate type of special accommodations, it is your responsibility to provide me with verification of that fact in a timely manner. While some kinds of accommodations may require more advance notice, it is never reasonable for you to assume that I will be able to arrange an accommodation for you on less than a weeks notice.

Academic Misconduct. Academic misconduct of any kind will not be tolerated. I consider a zero on the test or assignment in question to be the minimal consequence for any act of academic misconduct.

Cell phones. None of us wants to hear your phone ring, buzz, beep, etc. Please show some consideration for the rest of us and turn your phone off when you enter the room.