

## Syllabus

Mathematics 4200/6200, Point Set Topology

Fall 2009

Professor: *Gordana Matić*

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**Textbook:** *Topology* by James Munkres

**Class time and location:** MWF 09.05-09.55 am Boyd 302

**Office:** Room 321A in Boyd

**Office hour:** Monday 12:20 -1:10 pm and Wednesday 2:30 - 3:20 or by appointment. Please come to office hour if you have any questions or concerns.

**Course content::** We will cover the following chapters from Munkres:

Chapter 2 - Topological Spaces and Continuous Functions

Chapter 3- Connectedness and Compactness

Chapter 4 - Countability and Separation axioms in the book.

If we have time at the end, I hope to introduce additional topics like genus of a surface and fundamental group.

**Grading:** There will be three hour exams worth 100 pts each, a comprehensive final exam worth 200 pts, and graded homework assignments worth a total of 100 pts. Homework will be collected once a week. You are expected to pay attention to the correctness and clarity of your solutions - grammar and syntax do count.

Although I encourage you to discuss homework problems with other students, you are expected to write up your assignments individually.

You must comply with UGA's Academic Honesty Policy.