

## Math 4432 Information



**Professor:** John Etnyre  
**Office:** Skiles 163  
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**Office Hours:** To be announced.

**Lectures:** Tuesday-Thursday 9:35 - 10:55 in Skiles 240

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### Textbook

There is no required text for this course. I will try to make the lectures fairly self-contained. However, there are many good textbooks on topology and algebraic topology. If you would like a text that will cover many of the things in this course I recommend:

- *Topology: a geometric approach* by Terry Lawson.

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### Grading Policy

The course grade will be based on the following.

**Homework:** 50%  
**Midterm:** 20%  
**Final Exam:** 30%

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### Homework Policy

Every week or two I will assign a set of [homework problems](#). You should check the homework web page regularly, since I will not always announce when I post an assignment. You will have between one and two week to work on the problems (the exact due date will be on the problem set).

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### Exams

Final Exam is **tentatively** scheduled for Wednesday, May 3 from 8:00 till 10:50.

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# SYLLABUS

## Introduction to Algebraic Topology (Math 4432) Spring 2010, Georgia Tech

Lecture
T Th 1:35-2:55 Skiles 256

### Instructor

Professor [Mohammad Ghomi](#)

- *Office:* 203 Skiles
- *Office hours:* T Th 11-12:30
- *Email:* [ghomi@math.gatech.edu](mailto:ghomi@math.gatech.edu)
- *Course Web Page:* [www.math.gatech.edu/~ghomi/Math4432](http://www.math.gatech.edu/~ghomi/Math4432)

### Course Description

This class is an introduction to the study of the topology of manifolds. Topics covered include classification of surfaces, fundamental group and covering spaces, CW-complexes and homology.

### Prerequisites

Some basic familiarity with topological spaces (e.g., Math 4317 or Math 4431).

### Textbooks

*Topology: A Geometric Approach* by Terry Lawson.

### Grading

The grade is based on class participation (the students are expected to attend all lectures), and homework assignments.