

**Math 534B**  
**Geometry and Topology**  
T, TH 9:30-10:45 AM, MATH 501  
Spring 2019

- **Instructor:** Anton Izosimov
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- **Office Hours:** T and Th 11-11:50AM, and by appointment
- **Teaching Assistant:** TBA
- **Course homepage:** <http://math.arizona.edu/~izosimov/math534b>
- **Textbook:** Algebraic Topology by Alan Hatcher (<http://pi.math.cornell.edu/~hatcher/AT/AT.pdf>) and Introduction to Smooth Manifolds by John M. Lee
- **Homework:** Homework will be assigned according to the following schedule:

Problem Set	Assigned On	Due On
1	Jan 22	Feb 5
2	Feb 5	Feb 19
3	Feb 26	Mar 19
4	Mar 19	Apr 2
5	Apr 9	Apr 23

The homework is worth 40% of your grade. You are required to turn in typed homework.

- **Exams:** There will be two in-class exams (on Feb 26 and Apr 9, both worth 15% of the grade) and a final (worth 30%). Since you are preparing for a qualifying exam, these exams are very important, as they give you practice answering problems in a test setting.
- **Tentative coverage:** Chapters 0, 1.1, 1.2, 1.3, 2.1, 2.2 of Hatcher's book, Chapters 14, 16, 17 of Lee's book.