

Math 5313: Geometric Topology, MW 2:30-3:45, in MSCS 509

Professor: Henry Segerman

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Office Hours: TBD, and whenever you can find me.

Online Classroom (D2L) site: <https://oc.okstate.edu> (then log in and find our course, listed as MATH 5313-GEOMETRIC TOPOLOGY-SEC TH 001).

Textbook: *Algebraic Topology: An Introduction*, by William S. Massey.

We will cover the first five chapters of Massey. We may also look at chapters 9 – 14 of *Topology: Second Edition* by James R. Munkres for some topics. There is considerable overlap between Munkres and Massey. You are not required to have a copy of Munkres, but it may be useful for a different perspective. Be aware that there are some differences in notation and definitions between the two books.

Grading: Earning 90% guarantees an A for the semester, 80% a B, 70% a C, and 60% a D. I reserve the right to lower cutoffs based on my judgment of your understanding of the material. There will be two in-class midterms during the semester, each counting towards 20% of your grade. The final exam will count 30%. Homework will count for the remaining 30%.

Coursework: The two in-class midterms are tentatively scheduled for **Monday 22nd September** and **Wednesday 29th October**. The final exam will be on **Monday 8th December**, 2:00pm–3:50pm. Exams are closed book, closed notes. For each homework assignment, I will give a list of problems. Turn in only the *starred* problems. While you may (and should!) discuss general ideas with others in the class, it is expected that your homework is entirely your own work. Please staple your homework.

Syllabus Attachment: <http://academicaffairs.okstate.edu/current-students>.

To do:

- Go to <https://oc.okstate.edu> to log on to the Online Classroom (Desire2Learn). After logging in, make sure that you can see Math 5313 in your list of courses. We will use D2L for any additional course documents.
- Send me an email (to segerman@math.okstate.edu). Let me know which times of the work day on each day of the week you have other academic commitments. I will use this information to work out when to hold my office hours.