

Math 634

Fall 2020

Lecture: MWF 11:00–11:50
Zoom ID: 937 0841 8597
Instructor: Nick Addington
E-mail: adding@uoregon.edu
Office Hours: Thursdays 11–12 and 1–2, and by appointment.
Web Page: <http://pages.uoregon.edu/adding/courses/634/>
Book: Hatcher, *Algebraic Topology*

Learning outcomes. The successful student will be able to compute fundamental groups and homology groups in concrete examples, use them to prove existence or non-existence of certain maps, prove basic facts about them, and understand and apply the classification of covering spaces. The student will be able to write precisely but succinctly about geometric ideas.

Grading. Your grade will be based on the following:

- **Reading (5%).** Due Sunday evenings on Canvas. Give a *short* summary of what you read, and one or more questions you would like me to answer. These are graded on completion.
- **Homework (50%).** On Mondays, upload your homework through Canvas. You'll be assigned two of your colleagues' homeworks to read, and give them feedback by Wednesday. By Friday, you'll submit a revised version of your homework based on feedback from your colleagues and the grader.
- **Exams (45%).** First midterm assigned Monday, October 26 and due Friday, October 30. Second midterm assigned Monday, November 16 and due Friday, November 20. Final exam assigned Monday, December 7 and due Friday, December 11. These will be take-home, untimed, open book – like a homework assignment, except that you should not work together.

Here is a message from the department about the use of graders in graduate courses:

In this course homeworks are graded by a graduate employee (GE). The homework grader is in a later stage of the program from the GEs enrolled in the course, and so this should minimize the chances of any conflict of interest occurring with one GE grading the work of another. However, sometimes unexpected conflicts do occur. If at any point during the quarter a graduate student enrolled in this course has a concern related to a conflict of interest, privacy, fairness, or any other aspects of the grader's conduct please come talk to me about it. You may also speak directly with the Director of Graduate Studies or Department Head about your concerns. If such concerns arise, you may request that I grade your homework instead of the GE grader.