

Math 4181: Topology II

Textbook: *Topology* (Second Edition) by James R. Munkres

This course is an introduction to algebraic topology. We will cover the material corresponding to chapters 9-14 of our textbook.

Additional reading: [Elementary Applied Topology](#) by Robert Ghrist

Prerequisites: Math 4171 and Math 430, or permission of instructor

Meeting Time and Place: MWF 1-1:50pm, Cupples II L001

Instructor: Professor Rachel Roberts (roberts@wustl.edu)

Office and Office Hours: Cupples I 106: MWF 12 -12:45PM, Th 2:30-3:30PM and by appt.

Homework: There will be weekly homework sets, due in-class on Friday. Homework due dates will be strict; however, I will drop the two lowest homework scores.

Homework Guidelines: Although I encourage you not to refer to other texts or the internet in the solving of homework problems, you may do so as long as you carefully cite all resources used. You are welcome to discuss homework assignments with each other, to share questions and ideas. However, you must write up the homework assignments independently in your own words, and credit your collaborators.

A significant part of this course is learning how to write mathematics; so serious attention will be paid to how solutions are written up.

Exams: There will be three in-class exams: two midterm exams (1-1:50pm) on **February 26** and **March 30**, and a final exam 1:00PM - 3:00PM on **May 6**.

Grading System: Your grade will be based on the following.

Homework	25%
Midterm Exam 1	20%
Midterm Exam 2	20%
Final Exam	35%

Students taking the course with the "Credit/No Credit" ("Pass/Fail") grading option must earn a grade of "D" or better to receive a "pass". Any students taking the course on an "audit" basis

should talk with the instructor to determine what criteria will be used to award a grade of "successful audit."

Academic Integrity: Students must comply with Washington University regulations regarding [academic integrity](#). Plagiarism is a form of cheating or fraud; it occurs when a student misrepresents the work of another as their own.

Disability Resources (DR): Special accommodations for exams are offered to students who have registered in a timely manner at Disability Resources (DR), preferably within the first two weeks of class. More information about DR may be found at: <https://students.wustl.edu/disability-resources/>