MATH 353 – Fall 2013
Topology

Instructor: Jack Calcut
Office: King 220A
Email: jcalcut@oberlin.edu
Office Phone: (440) 775-8008

Class: MWF 10–10:50 in King 241
Office Hours: M 11–12, T 10–11, F 11–12,
          and by appointment.

Course Description

An introduction to point-set and algebraic topology. The fundamental notion of a topological space is introduced and various properties a topological space might have are studied, including connectedness and compactness. Spaces are also investigated by means of certain algebraic invariants including the fundamental group. These invariants are applied to the theory of covering spaces and various results about surfaces, continuous maps, and vector fields are proved.

Prerequisite

MATH 301 (Foundations of Analysis) or 327 (Group Theory).

Textbook

Topology, 2nd ed., James R. Munkres, Prentice Hall, 2000.

Grading

Grades will be given based on the following scale and your overall percentage in the course.

Letter	A	A-	B+	B	B-	C+	C	C-	D	F	W
Point	4.00	3.67	3.33	3.00	2.67	2.33	2.00	1.67	1.0	0.0	0.0
%	[93, 100]	[90, 93)	[87, 90)	[83, 87)	[80, 83)	[77, 80)	[73, 77)	[70, 73)	[60, 70)	[0, 60)	

    If the course is taken Pass/No Pass, then $\geq$C- is considered passing and is given the grade Pass (P); work <C- is considered not passing and is given the grade No Pass (NP).

40% Homework   Homework will be assigned approximately weekly on Blackboard. Homework must be written up neatly with multiple pages stapled. Students are encouraged to work together to learn the material, but each student must independently write up his/her own solutions. Homework is a major part of the course. No late homework will be accepted.

15% Quizzes   Given weekly and unannounced in lecture. No quiz during the exam week. The lowest score is dropped. No makeup quizzes.

20% Midterm Exam   Wednesday, October 16 in class. No electronic devices, notes, or books are allowed on exams.

25% Final Exam   Thursday, December 19, 2–4 p.m. No electronic devices, notes, or books are allowed on exams.

Disabilities

The college will make reasonable accommodations for persons with documented disabilities. Students should notify the Office of Disability Services located in Peters G-27/G-28 and their instructor of any disability related needs within the first two weeks of class.

Honor Code

The College requires that students sign an Honor Code for all assignments. This pledge (which is written out on each assignment) states: "I affirm that I have adhered to the Honor Code in this assignment." For further information, see the student Honor Code, which you can access via Blackboard>Lookup/Directories>Honor Code.

Important Dates

- First day of classes: Tuesday, September 3.
- Add/drop deadline: Thursday, September 12.
- Midterm Exam: Wednesday, October 16 in class.
- Fall recess: Saturday, October 19 – Sunday, October 27.
- Midterm grades available via PRESTO: Thursday, October 31.
- Last day to declare P/NP or to withdraw: Tuesday, November 5.
- Thanksgiving break: Thursday, November 28 – Sunday, December 1.
- Last day of classes: Thursday, December 12.
- Final Exam: Thursday, December 19, 2–4 p.m.