

# Math 637: Topology II

## Spring 2018

**Lecturer:** Zhizhang Xie

**Lectures:** MWF 11:30-12:20, Blocker 605AX

**Office:** Blocker 633C

**Email:** [xie@math.tamu.edu](mailto:xie@math.tamu.edu)

**Office Hours:** Monday 1:30 - 3:30pm or by appointment

**Prerequisites:** MATH 636 or approval of instructor.

### Course Outline:

Basics about differential manifolds, fundamental groups, covering spaces and some basic homology and cohomology theory. Roughly speaking, we will cover Chapter 2, 3, and parts of Chapter 4 and 5 of Bredon's *Topology and Geometry*.

**Textbooks:** *Topology and Geometry*, by Glen E. Bredon, published by Springer.

Also, Allen Hatcher's *Algebraic Topology* book, which can be downloaded from his homepage.

### Course Homepage:

Homework assignments and other course information will be posted at the course webpage: <http://www.math.tamu.edu/~xie/teaching.html>

### Grading Standards:

Final grades will be determined based on:

Homework	Midterm	Final
<b>50%</b>	<b>25%</b>	<b>25%</b>

Tentative date for the midterm (subject to change): March 7th, Wednesday

Letter Grades			
A	B	C	D
$\geq 90\%$	80% - 89%	70% - 79%	60% - 69%

## **Policies:**

- **Make-up policies:** Students must make arrangements in advance if they expect to miss an exam or quiz. Exam absences due to recognized university-related activities, religious holidays, verifiable illness, and family/medical emergencies will be dealt with on an individual basis. In all cases of absence from exams a written excuse is required. Ignorance of the time and place of an exam will not be accepted as an excuse for absence.
- **Academic integrity:** The usual rules of academic integrity apply. In particular, the Aggie Honor Code “An Aggie does not lie, cheat or steal, or tolerate those who do” should be self-evident, see <http://aggiehonor.tamu.edu/>  
Students may, and are encouraged to, work together and discuss homework problems with each other. However, copying work done by others is an act of scholastic dishonesty and will be prosecuted to the full extent allowed by University policy.
- **Disabilities:** The Americans with Disabilities Act (ADA) is a federal anti-discrimination statute that provides comprehensive civil rights protection for persons with disabilities. Among other things, this legislation requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities. If you believe you have a disability requiring an accommodation, please contact Disability Services, in Cain Hall, Room B118, or call 845-1637. For additional information visit <http://disability.tamu.edu>