

# Math 643: Algebraic Topology I

## Fall 2018

**Lecturer:** Zhizhang Xie

**Lectures:** TR 2:20-3:35pm, 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 (Topology I), Math 637 (Topology II), and Chapter 1 of Hatcher's Algebraic Topology book, or equivalent.

### Course Outline:

This is an introductory course to algebraic topology. The plan is to go through some basics of homology and cohomology theories, which are covered in Chapter 2&3 of Hatcher's Algebraic Topology book.

### Textbooks:

Allen Hatcher, *Algebraic Topology*, Cambridge.

### 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
50%	25%	25%

Tentative schedule for midterm (subject to change):

- October 18th, Thursday

Letter Grades			
A	B	C	D
≥ 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>