

MTG 4302-1 Spring 2015

Introduction to Topology

Prof. **Zhe Liu**

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Office: MSB 420

Lectures: M W 9:00 AM \sim 10:20 AM (Credit hours: 3), MSB 0406

Office Hours: M 4:00 PM \sim 5:30 PM, or by appointment

Prerequisite: MHF 3302 and MAS 3106

Textbook

Introduction to Topology by T. W. Gamelin and R. E. Greene, 2nd ed, Dover Publications, 1999, ISBN-13: 978-0-486-40680-0

Course Description

Metric spaces, topological spaces, continuity, compactness, and connectedness

Course Objectives

To present the fundamental concepts and theorems of (general) topology.

Course Website

- <http://math.cos.ucf.edu/~zheliu/teachingmtg4302spring2015/>

Most course material (homework assignments, course calendar, announcements, etc.) will be posted on our course website.

- Grades will be posted on Webcourses@UCF.

Evaluation

- Homework

Homework will be assigned weekly. Homework will not be graded. Selected homework problems will be on the exams.

- Exams (75 pts \times 4 = **300** pts)

There will be four in-class exams (see course calendar). All exams will count toward final course grade. You are required to take all of the four exams. University related absences and medical reasons are considered as valid reasons for missing an exam; in either case documentation is requested. In addition, you must arrange with me a time for a make-up exam within two days after the exam date.

- Extra Credit (up to 10 pts)

Class attendance (details to be announced in class).

- The **TOTAL** possible points of this course will be **300**.

Course grades will be determined according to the following scale.

| | | |
|----|------------|-------------|
| A | [270, 300] | [90%, 100%] |
| B+ | [261, 270) | [87%, 90%) |
| B | [240, 261) | [80%, 87%) |
| C+ | [231, 240) | [77%, 80%) |
| C | [210, 231) | [70%, 77%) |
| D+ | [201, 210) | [67%, 70%) |
| D | [180, 201) | [60%, 67%) |
| F | [0, 180) | [0%, 60%) |

Calculators

Calculators are NOT allowed in this course.

Academic Integrity

UCF faculty members have a responsibility for your education and the value of a UCF degree, and so seek to prevent unethical behavior and when necessary respond to infringements of academic integrity. Penalties can include a failing grade in an assignment or in the course, suspension or expulsion from the university, and/or a “Z Designation” on a student’s official transcript indicating academic dishonesty, where the final grade for this course will be preceded by the letter Z. For more information about the Z Designation, see <http://z.ucf.edu>. For more information about UCF’s Rules of Conduct, see <http://www.osc.sdes.ucf.edu>.

Disability Services at UCF

The University of Central Florida is committed to providing reasonable accommodations for all persons with disabilities. Students who need accommodations must be registered with Student Disability Services, Ferrell Commons Room 185, phone (407) 823-2371, before requesting accommodations from the professor.

Religious Policy

It is the practice of the University of Central Florida to reasonably accommodate the religious observances, practices, and beliefs of individuals in regard to admissions, class attendance, and the scheduling of examinations and work assignments. A student who desires to observe a religious holy day of his or her religious faith must notify all of his/her instructors in writing at the beginning of the term (prior to the end of the add/drop period) to be excused from classes to observe the religious holy day. (Please note that documentation may be requested.)

Financial Aid Requirement

As of Fall 2014, all faculty members are required to document students' academic activity at the beginning of each course. In order to document that you began this course, please complete the following academic activity by the end of the first week of classes. Failure to do so will result in a delay in the disbursement of your financial aid.

- Class attendance on Jan. 12, 14.