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## Topology 1, Fall 2015

### Time, Location, and Section Number

MWF PERIOD 6, LITTLE 125, Section 3279 of MTG 4302 and Section 3280 of MTG 5316.

### Office Hours (in Little 478).

Monday, Wednesday, and Friday 11:45AM – 12:10PM and 1:55PM – 2:20PM (first half of periods 5 and 7).

### Description and Goals

One goal of the course is to obtain a sound understanding of the basic mathematical concepts of topology. A second goal is to improve the ability to reason carefully and creatively when dealing with mathematical material. A third goal is to gain facility in writing mathematical proofs.

In addition to the text, there will be notes posted on line by the instructor. The notes will consist of definitions, theorems etc. without proofs. Students have the option of writing proofs of the theorems, corollaries, propositions, problems, and lemmas (working individually or with other students in the class) before these are covered in the lectures. In fact, this is the recommended way to learn this material!

Links to the notes will appear here.

[Link for Part 1, complete.](#)

[Link for notes: 200-219.](#)

### Who should take this course

Many first year graduate students in mathematics take this course. Undergraduate students who intend to pursue graduate study in mathematics should consider taking this course. Students in any department who are interested in the subject and would like a challenging elective may also take this class.

### Text

James R. Munkres, Topology, second edition, Prentice Hall, Upper Saddle River, NJ 07458.

### Homework Assignments

Assignments will be listed here as the course progresses.

**PROBLEM SET 1** is due by **Friday September 25** and consists of the following items on the notes:

88, 89, 100, 102, 103, 104, 105, 108, 109, and 113.

### Grades

Grades will be based on homework (35%), one midterm exam (25%), and a final exam (40%). The midterm exam will be given in class. The final exam will be given at the scheduled time on the final exam schedule, which is Wednesday, December 16, from 10:00AM to 12:00PM.

Although the materials will be the same for students registered for MTG 4302 and MTG 5316, the expectations will be higher for students taking MTG 5316.

The date for the midterm exam will be given here.

### Course Policies

- **Closed-book policy:** No use of calculators, or books will be allowed during any in-class exams.
- **Policy related to make-up exams:** Written medical documentation is required for makeup exams.
- **Policy on class attendance:** Daily attendance is required as consistent with university policies that can be found in the online catalog at: <https://catalog.ufl.edu/ugrad/current/regulations/info/attendance.aspx>.
- **University's honesty policy:** UF students are bound by The Honor Pledge which states, "We, the members of the University of Florida community, pledge to hold ourselves and our peers to the highest standards of honor and integrity by abiding by the Honor Code". On all work submitted for credit by students at the University of Florida, the following pledge is either required or implied: "On my honor, I have neither given nor received unauthorized aid in doing this assignment." The Honor Code (<http://www.dso.ufl.edu/scsr/process/student-conduct-honor-code/>) specifies a number of behaviors that are in violation of this code and the possible sanctions. Furthermore, you are obligated to report any condition that facilitates academic misconduct to appropriate personnel. If you have any questions or concerns, please consult with the instructor.
- **For students with disabilities:** Students requesting classroom accommodation must first register with the Dean of Students Office. The Dean of Students Office will provide documentation to the student who must then provide this documentation to the Instructor when requesting accommodation.
- **Students' evaluations of the course:** Students are expected to provide feedback on the quality of instruction in this course based on 10 criteria. These evaluations are conducted online at <https://evaluations.ufl.edu>. Evaluations are typically open during the last two or three weeks of the semester, but students will be given specific times when they are open. Summary results of these assessments are available to students at <https://evaluations.ufl.edu/results>.
- **Additional Information and Links:**

**Grades:** Grading will be in accord with the UF policy stated at <https://catalog.ufl.edu/ugrad/current/regulations/info/grades.aspx>.

**Honor Code:** "UF students are bound by The Honor Pledge which states, "We, the members of the University of Florida community, pledge to hold ourselves and our peers to the highest standards of honor and integrity by abiding by the Honor Code. On all work submitted for credit by students at the University of Florida, the following pledge is either required or implied: "On my honor, I have neither given nor received unauthorized aid in doing this assignment." The Honor Code specifies a number of behaviors that are in violation of this code and the possible sanctions. Furthermore, you are obligated to report any condition that facilitates academic misconduct to appropriate personnel. If you have any questions or concerns, please consult with the instructor in this class."

**Class Attendance:** "Requirements for class attendance and make-up exams, assignments, and other work in this course are consistent with university policies that can be found at: <https://catalog.ufl.edu/ugrad/current/regulations/info/attendance.aspx>."

**Accommodations for Students with Disabilities:** "Students with disabilities requesting accommodations should first register with the Disability Resource Center (352-392-8565, <https://www.dso.ufl.edu/drc/>) by providing appropriate

documentation. Once registered, students will receive an accommodation letter which must be presented to the instructor when requesting accommodation. Students with disabilities should follow this procedure as early as possible in the semester."

**Online Evaluations:** "Students are expected to provide feedback on the quality of instruction in this course by completing online evaluations at <https://evaluations.ufl.edu>. Evaluations are typically open during the last two or three weeks of the semester, but students will be given specific times when they are open. Summary results of these assessments are available to students at <https://evaluations.ufl.edu/results/>."

**Contact information for the Counseling and Wellness Center:**  
<http://www.counseling.ufl.edu/cwc/Default.aspx>, 392-1575; and the University Police Department: 392-1111 or 9-1-1 for emergencies.

