

Topology III
Math 453, Spring 2012
2:00-3:15 TTh, Bouillon 110

Instructor: Dr. Jon Fassett

Office: Bouillon 108C

Phone: 963-2401

Web: www.cwu.edu/~fassett/

Email: fassett@cwu.edu

Office Hours: TBA

Text: Foundations of Topology, by C. Wayne Patty.

Course Description: This is the last course in a three-course sequence introducing students to a mathematically rigorous study of topology. The majority of our time will be spent on the separation and countability axioms and fundamental groups.

Course Goals: The main goal of the course is for students to learn how to read, understand, and write rigorous mathematical proofs in an abstract setting. In addition, a less measurable goal is for students to be rewarded for their efforts toward mathematical rigor and abstraction by being exposed to concepts and examples that present the richness inherent in the study of topology.

Course Policies:

Class Participation: Daily classes will be a mixture of lecture and discussion of assigned problems. Meaningful contributions are expected each week. This can take the form of presenting a proof or participating in class discussions. There should be plenty of time to share your thoughts, understandings, and questions. Poor attendance will hurt your participation score.

Homework: Problems from each section will be assigned and selected problems will be turned in for grading. You are encouraged to work together on homework but each student must turn in his or her own write-up. Problems turned in for grading will be organized and neatly presented or they will not be graded.

Exams: There will be a take-home final exam. You cannot pass the course without taking the final exam.

Course Grade: Course grades will be assigned according to the following:

Homework	65%
Class participation	10%
Final Exam	25%

Students with special needs or disabilities that may affect their ability to access information or material presented in this course are encouraged to contact the Director of Disability Support Services at 963-2171 (TTD 963-2143).