Space-Time: Health Sci and Human Services 2638 MW 2:00 pm - 3:15 pm

Instructor: Mao-Pei Tsui

Office Hours: UH2080B M 12-2 pm, W 1-2, 4-5pm, F 1-2 pm

Phone: 419-530-2998 Fax: 419-530-4720

Email: Mao-Pei.Tsui@Utoledo.edu

Homepage: http://www.math.utoledo.edu/~mtsui/

Class Web Site: http://www.math.utoledo.edu/~mtsui/topsp10/topsp10.html

Text: Introduction to Topological Manifolds (Graduate Texts in Mathematics Vol 202) (Paperback) by John M, Lee

Prerequisites: MATH 6400(8400) or equivalent.

General description: This is the continuation of last semester’s class. We will try to cover (most of) Chapters 6-11 of the textbook. The main topics are the classification of compact surfaces, fundamental group and covering spaces.

Homework: There will be several homework assignments to be handed-in in class. I encourage you to form study groups to work together on the homework problems (it’s usually the best and fastest way to learn). However, when you write up your solutions to hand in, you must write your own solutions in your own words.

Exams: Midterm I: Feb 17 (Wednesday) in class, Midterm II, March 29 (Monday), in class, Final Exam: May 6 12:30-2:30 Thursday

Grading: The following percentages are assigned to the components of the student’s grade.

- Homework 40%
- Midterm I 15%
- Midterm II 15%
- Final Exam 30%