

Math 6410, 8410 Syllabus Spring 2010

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.*

<i>Homework</i>	<i>40%</i>
<i>Midterm I</i>	<i>15%</i>
<i>Midterm II</i>	<i>15%</i>
<i>Final Exam</i>	<i>30%</i>