

University of Washington
Math 443
Spring 2008
General Information

Instructor:

Ethan Devinatz
Padelford C-554
phone: 685-4777
e-mail: devinatz@math.washington.edu
web: <http://www.math.washington.edu/~devinatz>

Office hours: Monday and Wednesday 2:30-3:30, and by appointment.

Text: *Differential Geometry of Curves and Surfaces*, by Manfredo P. Do Carmo.

About the course and prerequisites: This course is intended to be a concrete introduction to differential geometry, continuing Math 442. We will cover Chapters 3 and 4 of the do Carmo text and perhaps a few additional topics. Math 442 or its equivalent is a prerequisite; if you did not take this course last quarter, please see me.

Homework: Homework will be assigned more or less weekly and will require you to write careful proofs. It is expected to be demanding and will count for a substantial portion of your grade. Although you are encouraged to share ideas on homework problems with your classmates, I expect you to actually write your homework on your own. In principle, late homework will not be accepted.

Exams: There will be a midterm and a final exam. The midterm will be given in class and is tentatively scheduled for Friday, May 9. The final exam is scheduled for Thursday, June 12 from 8:30-10:20 AM, although it is again possible that I will give a take-home final instead.

Absences from the midterm will be dealt with on a case by case basis. Only under unavoidable emergencies (e.g., illness, death in family) will you be allowed to miss an exam without penalty. Such emergencies should be documented if at all possible. Note, however, that if you take an exam you cannot claim illness as an excuse for doing poorly. In certain other situations (e.g., athletic meets, family obligations), you may arrange to take an exam early. This must, however, be set up well in advance and does not apply to the final. I will follow the procedures outlined in the Examination Guidelines (look under Academic Calendar and Final Exam Schedule) in dealing with final exam absences.

Grading:

Homework: 30%
Midterm: 25%

Final: 45%

The grade of I (incomplete) will be given only under the conditions in the *University of Washington General Catalog* (under "Grading Systems").