University of Washington  
Math 443  
Spring 2016  
General Information

Instructor:  
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Office hours: Monday and Wednesday 4:00–5:00, and by appointment.

Text: Differential Geometry of Curves and Surfaces, by Manfredo P. do Carmo. This book is unfortunately out of print but a photocopy should be available at the University Bookstore.

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 test and perhaps a few additional topics. Math 442 or its equivalent is a prerequisite; if you did not take the course last quarter, please see me.

Homework: Homework will be assigned regularly and will require you to write careful proofs. It is expected to be demanding. Most of your homework will consist of problems from your text, but I may also write additional problems. Although you are encouraged to share ideas on homework problems with your classmates, I expect you to actually write your homework on your own. If you use sources other than the assigned text and your lecture notes to do the homework, you must reference them; otherwise you are committing academic fraud. I am well aware that solutions to many of the assigned problems can be found on the Internet. You are not permitted to use these to do the homework. In addition, you may not make use of any sort of discussion boards involving people outside the class for homework assistance. If you violate these rules on any homework assignment, you will receive a 0 on that assignment. I may also refer your case to the appropriate University committee on academic dishonesty. 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 6. The final exam is scheduled for Thursday, June 9 from 8:30–10:20, although it is 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:

- Graded Homework: 25%
- Midterm: 30%
- Final: 45%

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