

MATH 436 - FALL 2007

Instructor: Chris Truman

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Office Hours: 11:30-12:30, Tuesdays and Thursdays, or by appointment

Course Web Page: <http://www.math.umd.edu/~cbtruman/Math436/>

The webpage is the definitive source for up to date information about the class.

Classroom and Time: TuTh 2:00pm-3:15pm in MTH 0303

Text: Elementary Differential Geometry by Pressley, Springer Undergraduate Mathematics Series, ISBN 1852331526

Grading:

Three in-class Exams (100 pts each)	300 points
Homework	100 points
Final Exam	200 points
Total	600 points

Make-up exam policy: Exam makeups will only be given for University Excused Absences. Any student with a valid reason to be excused from an exam must contact me prior to the exam, either by email or by phone (leave a message at 301.405.5047), and present documentation at the next class session attended. If you need to be excused for a religious observance, you should let me know as soon as possible, but in any case no later than the end of the schedule adjustment period (that is, by September 12)

Homework: I *encourage* you to work in groups on the homework assignments. Homework will be assigned daily, and collected each Tuesday. Exam questions will be similar if not identical to homework questions. In addition to assigned homeworks, Pressley has exercises in each section, with full solutions in the back; these will be great for practice problems and to study for tests.

Rough Schedule: The material can be divided pretty neatly into four main sections:

- (1) Basic curve stuff (Chapters 1, 2, and 3)
- (2) Basic surface stuff (Chapters 4, 5)
- (3) Curvatures of surfaces (Chapters 6, 7, 9)
- (4) Working to Gauss-Bonnet (Chapters 8, 10, 11)

My plan is to have a test at the end of each of the first three sections, then a cumulative final that also picks up the material from the last section. So I'm shooting for exam dates of:

Exam 1 September 20

Exam 2 October 16

Exam 3 November 8

If I have to adjust these dates, for missed classes or if I decide to take longer to cover anything, or whatever, I'll give as much notice as possible.

Final Exam: The final exam is Monday, December 17, 10:30-12:30. The final exam is cumulative.

I reserve the right to give unannounced quizzes and make changes in the syllabus that I feel are necessary. Any changes in the syllabus will be announced in class and posted to the website.