

COURSE GUIDE

Math 240 Lec.2 Spring 2008

INSTRUCTOR : Prof. Wolfgang Ziller

Office: DRL 3E3A , phone: Ext. 8-8461

Office hours: Th 10-12

e-mail: wziller@math.upenn.edu

home page: <http://www.math.upenn.edu/~wziller>

ASSISTANTS : Pilar Herreros

Office: DRL 4C15 , phone: 8-5224

Office hours: We 6-7, Th 3-4

e-mail: pherrero@math.upenn.edu

John Olsen

Office: DRL 3C13 , phone: 8-2949

Office hours: Tu 4:30-5:30 Th 9:30-10:30,

e-mail: joolsen@math.upenn.edu

web page <http://www.johno.dk/teach/math240spring08.shtml>

TEXTBOOK: Advanced Engineering Mathematics (Third Edition)

by D.G. Zill and M.R. Cullen

Calculus Manual for 240/241

optional: Maple software.

LECTURE: Tu,Th 12-1:30, in Towne Building 100

OFFICE HOURS: Please make use of the office hours, both of your TA and your professor! It will also help us to get to know you better.

OTHER HELP: Besides the office hours, there is lots of help available for both Calculus and Maple, see e.g. <http://www.math.upenn.edu/ugrad/calc/help/help.html>. Information about this help can also be found on pages 3-8 of the Calculus Manual, but in general the information on the Web is more up to date.

CORE PROBLEMS, PROBLEMS FROM PAST FINALS: Since there is much material to cover in math 240 and more problems to work through than we have time to cover in lecture or recitation, we have chosen a list of core problems to help define the course, which you can find in the Calculus Manual or on the web at <http://www.math.upenn.edu/ugrad/calc/m240/06-07Math240Syllabus.pdf>.

In addition you will find problems from past final exams in the back of the Calculus Manual. Together, the core problems and past finals define both the material of the course and the level of difficulty expected. Your objective is to understand thoroughly how to solve them and to develop some facility with the underlying mathematics.

RECITATION: During each recitation there will be a 5 minute quiz taken from the homework assignment which is due that week. There will be NO MAKE UP QUIZZES; however, you will be allowed to drop your lowest quiz grade (which could be an absence).

Recitations will begin with a discussion of the assignment due. The quiz will be given in the last 5 minutes of the period.

HOMEWORK: Each week's assignment will consist of the relevant core problems, problems from past final exams, plus additional work from the text or other sources. The assignment will be given each Thursday and can be found on the web on my home page at <http://www.math.upenn.edu/~wziller/math240s08/homework.html>. Solutions must be written LEGIBLY and turned in by Friday 4pm, the following week, in the TA's mailbox. A record will be kept of all the homework turned in, but the homework will only be graded for completeness. No late homework assignments will be accepted but the lowest homework grade will be dropped.

MAPLE: Maple will not be a required part of the homework, and no Maple will be on any of the exams. But I strongly encourage you to learn some of the Maple commands as we go along and check your homework that way. To help you in this effort, I will indicate in each homework what commands to look up and learn and suggest problems that are good for Maple. You can ask any one of us if you have difficulties with Maple. Also see <http://www.math.upenn.edu/ugrad/maple/> for suggestions and help with Maple.

EXAMS: There will be two in class midterms; the first on Tuesday February 19 , and the second on Tuesday April 8. All sections of Math 240 will have a common final exam which is tentatively scheduled for Friday May 9th, 9-11am. No calculators are allowed during the exams. You are allowed to bring one regular size sheet of paper to each exam, with handwritten formulas on both sides.

COURSE GRADE: The course grade is made up of 2 midterms at 20% each, quiz and homework grade at 20%, and the common final exam at 40%.

NOTE: Incompletes (I's) will not be given to avoid F's. In case you cannot make the final, for medical reasons or other, documented by a doctors note, a makeup exam is given at the beginning of the next semester.