

Calculus IV

Classes meet MWF 8:30 – 9:20 a.m. in Room DBRT 214

Instructor:

My name is Heide Gluesing-Luerssen and you can reach me as follows.

Office: CCMB 300-A, phone: 631-8698, e-mail: gluesing-luerssen.1@nd.edu

My office hours are: Mon and Thu 6:00 – 7:30 p.m.

Teaching Assistant:

Her name is Roxana Smarandache.

Office: CCMB 334, e-mail: rsmarand@nd.edu

Her office hours are: Wed 6:00 – 8:00 p.m.

Tutorials:

The tutorial for this section is Math226T.01 and meets every Thursday 9:30 – 10:20 a.m. in HAYE 221.

Texts:

W. E. Boyce and R. C. DiPrima: Elementary Differential Equations and Boundary Value Problems, 6th Edition, Wiley, 1997 (for about the first two third of the course)

J. Derwent and A. A. Himonas: Lecture Notes in Linear Algebra (for the last third of the course). You have to purchase these notes at The Copy Center in LaFortune.

Software:

There will be some classroom-demonstrations with the software package *Mathematica*. You'll have to use them for some of the homeworks. They can be downloaded from my homepage

<http://www.nd.edu/~hgluesin>

via [Shift]+[Control]+Mouseclick on Mac or [Shift]+Mouseclick on Unix.

Homework:

Homework will be assigned every class. The assignments can also be found on the website

<http://www.nd.edu/~hgluesin/Math226.01.html>.

The homework of each period Friday-Monday-Wednesday will be due the following Friday in class. As a rule, we don't accept late homework.

Please put your name together with the section-number 226.01 on your homework!

Quizzes:

There will be a 10-minutes quiz every Thursday in the Tutorials (excepting the first week and exam weeks) based on the material taught on Wednesday and Friday of the previous week, and the last Monday. At the end of the semester the quiz with the lowest score (e. g. a missed quiz) will be dropped. No make up quizzes will be given. Take the quiz very seriously. It tells you (and me) if you have a basic understanding of the material discussed the previous classes. It will also prepare you for the exams, and, in addition, it counts as much as one Exam.

Exams:

There will be two Midterm Exams and a two-hour Final on the following dates:

Exam 1	Monday, Sept. 28,	8:30 – 9:20 a.m. in class
Exam 2	Monday, Nov. 9,	8:30 – 9:20 a.m. in class
Final	Thursday, Dec. 17,	1:45 – 3:45 p.m.

The location for the Final will be announced.

The Final Exam will be comprehensive.

Exams may be made up only with an excused absense from the Associate Vice President for Residential Life. Conflicts with exams in other courses must be resolved during the first week of classes.

Honor Code:

You are reminded that you are bound to the Notre Dame Honor Code.

You may (and are encouraged to) cooperate with other classmates and consult books and notes while studying the material and working on your homework, but *do not copy each other!*

During exams and quizzes the use of books, notes, etc. and communication with others is not allowed.

Grading:

Exams:	$2 \times 100 =$	200
Final:		150
Quizzes:		100
Homework:		50
Total Score:		500

The numerical break points for the letter grades (A, A–, B+, ...) will be determined at the end of the semester by how well the class as a whole performs on the exams and quizzes.

Note:

You are encouraged to use my office hours and contact me (or the TA) early with any difficulties, before problems accumulate beyond help.