

## MATH 2443–Section 002      CALCULUS IV

This is the syllabus for Mathematics 2443, Section 002, for the Fall Semester 1998. It is your responsibility to acquaint yourself with all the information in this syllabus, and with any modifications to it that may be announced in class. If you lose your copy, please request a replacement from me.

**Instructor:** Dr. Noel Brady.

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**Office Hours:** To be announced.

**Text and Course Outline:** The textbook for this course is *Calculus* (3<sup>rd</sup> Edition), by James Stewart. We shall cover Chapters 12, 13 and 14. You are all familiar with one variable calculus. We shall treat differentiation and integration of functions of two or three variables. We shall also study some very pretty 2- and 3-dimensional generalizations of the Fundamental Theorem of Calculus.

**Prerequisites:** Math 2433 (Calculus III), or instructor's permission.

**Lectures:** You are expected to attend all lectures, and are responsible for all information given out during them. In particular, this includes any changes to the quiz/midterm dates or content. The Lecture Schedule which you will receive at the end of the first week is just a rough guide. As the semester develops, we may deviate slightly from this schedule. As in any course, you should try to read the relevant sections of the textbook **before** attending lectures.

Not attending lectures is the road to disaster!

**Grading Scheme:** Grades will be assigned by weighting your totals from Homeworks, Quizzes, Midterms, and a Final Examination as follows:

<i>Homeworks</i>	15%
<i>Quizzes</i>	6%
<i>Midterm Total</i>	54%
<i>Final Examination</i>	25%

Below, there is a detailed description of each of these components. The total number of points in the course is 1000.

**Homework:** The homework total is 150 points. Homework will be due at the **start** of class on Tuesdays. The first homework is assigned on the first day of class and is due on Tuesday, August 25th. Subsequent homework assignments can be found on the Lecture Schedule. Minor modifications to the homework schedule may be announced in class during the semester.

You are responsible for ensuring that your homework gets turned in on time. Late homework will not be accepted. They upset the grading process and are unfair to other students.

The homework assignments are there to provide you with a **minimum** level of exposure to the materials outside of class time. You will need to do many more problems before you feel comfortable with the concepts involved. Take it from experience (of generations of students!) that the way to succeed in a math course is to work (and understand) a large number of problems.

**Quizzes:** Three 10-minute Quizzes are held in class during regular lecture times. Each quiz is worth 20 points. Here are the quiz dates.

*Quiz 1:* Tuesday, September 1.

*Quiz 2:* Tuesday, October 6.

*Quiz 3:* Tuesday, November 3.

**Midterms:** There are three midterms, which are held during regular lecture times. Each midterm is worth 180 points. They are held on the following dates:

*Midterm 1:* Thursday, September 17.

*Midterm 2:* Tuesday, October 20.

*Midterm 3:* Thursday, November 19.

**Final Examination:** The final examination is cumulative. It is worth 250 points. It is scheduled for Wednesday, December 9, 4:00pm–6:00pm.

**Taking Examinations:** Here are a few notes on taking Examinations.

- I will hold extra Office Hours and schedule Review Sessions before the Midterms and Final Examinations. You are strongly encouraged to attend the Review Sessions, and to attend Office Hours regularly.
- You cannot use calculators/computers, books or any type of notes during the examinations.
- All examinations must be taken at scheduled times, except in *very extreme circumstances*. So be careful not to make travel arrangements that conflict with examination times. If you cannot take an examination at a scheduled time, you should contact me *well in advance of the test time*. Otherwise, an absence at an exam will result in a score of zero.

**Withdrawal Policy:** Until August 28 , there is no record of grade for dropped courses. From Aug. 28 through Sep. 25, you may withdraw and receive a W grade, *no matter what scores you have so far achieved*. From Sep. 25 through Oct. 23 you will need my permission to withdraw. After Oct. 23, University regulations specify that you may withdraw only with the permission of the Dean.

**Academic misconduct:** The following is taken from the University Academic Misconduct Code. *It is the responsibility of each instructor and each student to be familiar with the definitions, policies, and procedures concerning academic misconduct.*

Cases of academic misconduct are inexcusable. Don't do it. All cases of academic misconduct will be reported to the Dean of Arts and Sciences for adjudication.

**Accommodation of Disabilities:** Any student in this course who has a disability that may prevent him or her from fully demonstrating his or her abilities should contact me personally as soon as possible to discuss the accommodations necessary to facilitate his or her educational opportunity and ensure his or her full participation in the course.