

MATH 2423–Section 001 Calculus II Information Sheet

This handout contains important information about Mathematics 2423, Section 001, for the Fall Semester 2002. It is your responsibility to acquaint yourself with all the information in this handout, and with any modifications to it that may be announced in class. This is available online on the course web-page.

Course Number: Math 2423–001, Honors Calculus II

Class Meets: TuTh 10:30 - 11:45 in Gittinger 326

Web Page: <http://math.ou.edu/~nbrady/teaching/f02-2423/>

Instructor: Dr. Noel Brady.

Office: 521 Physical Sciences Center [PHSC].

Phone: 325-0833 **E-mail:** nbrady@math.ou.edu

Office Hours: Mon 2pm–3pm, Wed 1:30pm–2:30pm, Thu 1pm–2pm.

Textbook: *Calculus*, (4th ed.) by James Stewart, Brooks/Cole, 1999.

Overview of Syllabus: In this course, we shall focus on Chapters 5 through 9 (and some of 10) of the text. We shall learn about integration; its relation to anti-differentiation, and applications.

We will begin with a brief class discussion/review of differential calculus. Then we shall discuss some intuitive notions of area, and look at some basic computations and examples. We shall also look at how one might compute the average value of a function over a given (time) interval. These ideas will motivate the concept of the Riemann integral.

The basic relationship between Riemann integrals and anti-differentiation is the subject of the *Fundamental Theorem of Calculus*. This leads to the study of a whole slew of techniques of integration (anti-differentiation really). We shall look more closely at inverse functions, exponential and log functions and consider lots of applications in various branches of math and science. If there is time, we'll look at some elementary differential equations.

Prerequisites: Math 1823 (Calculus I), 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 Class Schedule gives a rough indication of what topics we hope to cover on specific days. Remember that this is just a 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.

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

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

Here is the grading scale used in the course.

A 85 – 100%; *B* 70 – 84%; *C* 55 – 69%; *D* 40 – 54%; *F* 0 – 39%.

Here is a detailed description of each of the components listed above.

Homework: Homework will be due at the **start** of class on Tuesdays. Homework assignments can be found on the Homework Sheets which will be posted on the web page as the semester progresses. Minor modifications to the homework sheets may be announced in class during the semester.

You are responsible for ensuring that your homework gets turned in on time. Late homework upsets the grading process and is unfair to other students, and so will **not** be accepted. This includes homework that you *“have done, but forgot to bring into class”*.

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.

It is important to work hard at the homeworks for several reasons. One, the homeworks are worth 15% of the course total. A high score on the homeworks takes off some of the pressure during the midterms and the final. For example, if you’re hoping for a B grade overall, then an A average on the homeworks could offset a “bad day” on one midterm exam. Two, making sure that you understand the the homeworks is the best way to learn the course material. This is a lot more effective in the long run and a lot less stressful than the usual method of cramming before exams. You should make sure that you **understand** what you’re doing on the homeworks, and that you understand where you went wrong on specific problems. It’s not enough to just copy down answers from solutions manuals or from other students.

Quizzes: Three 10-minute Quizzes are held in class during regular lecture times on the following dates:

Quiz 1: Tuesday, September 10.

Quiz 2: Tuesday, October 15.

Quiz 3: Tuesday, November 19.

Midterms: There are three midterms, two of which are held during regular lecture times. They are held on the following dates:

Midterm 1: Tuesday, September 24.

Midterm 2: Tuesday, October 29.

Midterm 3: Due on Tuesday, December 3.

The third midterm will be given as a set of Extra Homeworks, the last of which is due on December 3.

Final Examination: The final examination is cumulative. It is scheduled for Thursday, December 19, 8:00am – 10:00am in Gittinger 326.

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.

Policy on W/I Grades: From August 26 until September 9 there is no record of grade for dropped courses. From September 10 until October 4 you may withdraw and receive a W grade *no matter what scores you have thus far achieved*. Withdrawing during the dates October 7 through November 1 may result in either a W or a F grade. From November 4 on, University regulations specify that you may withdraw only with the permission of the Dean.

Students who are failing the course should **not** expect to be able to receive an I grade in place of an F. I will only consider giving an I grade if the student is already maintaining a passing grade in the course, has completed most of the work in the course (for example, all but the final examination), and can demonstrate that they are unable to complete the work at this time due to circumstances beyond their control.

Academic Integrity: Students should acquaint themselves with the the Provost's Academic Integrity Guide which can be found online at www.ou.edu/provost/integrity.

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.