

MATH 2934–040 Differential and Integral Calculus III

This is the information sheet for Differential and Integral Calculus III, MATH 2934–Section 040, for the Spring Semester 2015. 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.

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Class and Discussion Times: The class meets 3 days per week: on M&W from 1:30pm to 2:45pm; and on F from 1:30pm to 2:20pm. All classes are held in Adams Hall 104.

The discussion session meets on Thu in PHSC 114 from 1:30pm until 2:20pm. The GTA for the discussion section is [Rebecca Miller](#).

Course Web Page. <http://math.ou.edu/~nbrady/teaching/s15-2934>

Office Hours. Mon. 11:30am-12:30pm; Tue. 9:30am-11am; Fri. 11:30am-12:15pm. Also by appointment.

Text and Course Outline. We shall cover Chapters 12 through 16 of the textbook; *Calculus* (7th Edition), by James Stewart.

In this course we will start with a review of coordinates in the plane and in 3–dimensions, and then will discuss vectors and their applications. The bulk of the course will involve developing notions of derivative and integral for functions of the form $f(x, y)$ and $g(x, y, z)$ of several input variables, and then applying these ideas to the study of vector fields. This will help you understand many of the fields that you may encounter in other STEM courses; for example, meteorology, physics, electromagnetic theory, and chemical engineering courses.

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 midterm dates or content.

Your participation is important in lectures. I will call on people to present answers to problems at the board from time to time. You should try to participate in classroom discussions. As in any course, you will optimize your gain from the lectures if you try to read the relevant sections of the textbook **before** attending class.

Grading Scheme. Grades will be assigned by weighting your totals from Homework, Webwork, Discussion Section, Midterms, and a Final Examination as follows:

<i>Homework</i>	15%
<i>Webwork</i>	3%
<i>Disc Section</i>	3%
<i>Midterm Total</i>	54%
<i>Final Examination</i>	25%

The total number of points in the course is 100. Grades are assigned on the following scale:

A : 85 – 100, B : 70 – 84, C : 55 – 69, D : 40 – 54, F : 0 – 39.

Here are more details about each of these components.

Homework. Homework is due in class on the dates indicated with the homework list; it is due at the **start** of class. You are responsible for ensuring that your homework gets turned in on time. Late homework will not be accepted; it upsets the grading process and is unfair to other students.

Only certain homework problems will be graded in detail each time. However, you should definitely attempt every one of the homework problems on each assignment. Some portion of each homework score will consist of “completion points,” which you earn by attempting all questions.

Webwork. Part of the class assignments will not be written up and turned in, but instead will be entered into an online system called *Webwork*. As the course gets underway I will provide more detailed information about using Webwork

Discussion Section. You are expected to attend the discussion section that accompanies the lectures. Indeed 3% of the overall course grade is earned from your participation in the Thursday discussion section.

Midterms. There are three midterms, each worth 18%, which are held in class on the following dates:

Midterm 1: Friday, Feb. 06.

Midterm 2: Friday, Mar. 13.

Midterm 3: Friday, Apr. 24.

Final Examination. The final examination is cumulative. It is scheduled for Thursday, May 07 from 8:00am until 10:00am, and is held in the usual classroom — Adams Hall 104.

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

- I usually hold extra Office Hours and/or 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 *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. You can find the Spring 2015 academic calendar at http://www.ou.edu/content/admissions/academic_calendar/spring-2015.html

Until Jan 26, there is no record of grade for dropped courses. From Jan 27 through Mar 27, you may withdraw and receive an automatic W grade. From Mar 30 through May 01, University regulations specify that you may withdraw only with the permission of your College Dean.

Students who are failing the course should not expect to receive an “I” grade in place of a “W” grade. I will only consider assigning an “I” grade if the situation satisfies the following criteria.

1. the student is already maintaining a passing grade,
2. the student has completed most of the course work, and
3. the student can demonstrate that he/she is unable to complete the work at this time due to circumstances beyond his/her control.

Academic misconduct. You should be familiar with University policy regarding academic misconduct <http://integrity.ou.edu>.

Accommodation of Disabilities. The University of Oklahoma is committed to providing reasonable accommodation for all students with disabilities. If you require special accommodation in this course you are requested to speak with me as early in the semester as possible (preferably by the end of the second week). Students with disabilities must be registered with the Office of Disability Services prior to receiving accommodations in this course. The Office of Disability Services is located in Goddard Health Center, Suite 166, phone (405) 325-3852 or TDD only (405) 325-4173. Their website is at <http://drc.ou.edu>.

Religious Holidays. It is the policy of the University to excuse absences of students that result from religious observances and to provide without penalty for the rescheduling of examinations and additional required class work that may fall on religious holidays.

Students who plan to observe a religious holiday which may conflict with a class time, should notify me as soon as possible (preferably within the first 2 weeks of the semester), so that we can make appropriate arrangements.

Mathematics Department student resource page. The [Undergraduate Information](#) page on the Mathematics Department server is a good resource. It has links to the Math Center, the OU MathClub blog, and has information about obtaining a Mathematics minor or major.

The Math Center. The [Math Center](#) (PHSC 209) is open at least 5 days a week (see the web page for the current schedule). It is staffed by mathematics graduate students who can help with your Math 2934 questions. You should definitely take advantage of this terrific resource!

The OU MathClub Blog. The [OU MathClub blog](#) is an excellent way of finding out what's going on math-wise at OU.