COURSE INFORMATION FOR MATH 2924–010

Differential and Integral Calculus II

Fall 2015

This is the information sheet for Differential and Integral Calculus II, MATH 2924–Section 010, for the Fall 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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Course Web Page: http://math.ou.edu/~nbrady/teaching/f15-2924
Dr Brady's Office Hours: Office hours: Tu 10:30am-11:30am, W 10:00am-11:00am, Th 11:00am-noon, or by appointment.

Prerequisites: A grade of C or better in MATH 1914 (Differential & Integral Calculus I).

Text: *Calculus (7th ed)*, by James Stewart, Brooks/Cole, 2012, ISBN-13: 978-0-538-49781-7.

Topics: This course contains a diverse assortment of calculus tools and techniques which you will use in your other science and engineering courses. This includes: the natural logarithmic and exponential functions; applications of integration; indeterminate forms; techniques of integration; improper integrals; parametric curves and polar coordinates; infinite sequences and series; and vectors in 2– and 3–dimensions.

The specific chapters/sections of the text are: chapters 6 and 7, a section or two from chapter 8, sections 10.1–10.4, chapter 11, and sections 12.1–12.5.

If you scan the table of contents you will see that there are a lot of different topics here. Don't worry, you won't get bored! As Will Rogers once said *"If you don't like the weather in Oklahoma, wait a minute and it'll change."*

Class and Discussion Times: Your schedule should indicate that you are enrolled in this class (MATH 2924-010) which meets three times a week, and also in a discussion section (listed as MATH 2924-01X for X=1,2,3, or 4) which meets twice a week. Here is a summary.

What	Who	When	Where
MATH 2924-010 (class)	Dr. Brady	MWF 11:30am–12:20pm	108 PHSC
MATH 2924-011 (disc.)	Michael Tilles	MF 12:30pm–1:20pm	251 NH
MATH 2924-012 (disc.)	Connor Allen Davis	MF 1:30pm–2:20pm	321 PHSC
MATH 2924-013 (disc.)	Kyle David Scarbrough	MF 2:30pm–3:20pm	363 PHSC
MATH 2924-014 (disc.)	Mahesh Sunkula	MF 8:30am–9:20am	304 AH

Your participation in class and your assigned discussion section is mandatory. Full participation in class and discussion sections increases your chance of success in the course. The class will introduce the new topics to you, will place them in context of mathematics that you have already learned, and will indicate possible applications. The discussion sections will develop your understanding of the class material through concrete worked examples and further applications. The discussion sections are smaller and more amenable to interactive discussion, group work, taking short quizzes etc. These sections are there to provide you with additional opportunities for active learning and for interaction with your classmates.

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.

You will benefit greatly from the lectures if you try to read the relevant sections of the textbook **before** attending class.

Your attendance on your designated Front Row Duty days will be monitored, and will contribute to your overall score in the course as indicated below.

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

Homework	18%
Front Row Duty	2%
Midterm I	12%
Midterm II	18%
Midterm III	18%
Discussion Section	7%
Final Examination	25%

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

$$A : 85 - 100, \quad B : 70 - 84, \quad C : 55 - 69, \quad D : 40 - 54, \quad F : 0 - 39.$$

Here are more details about each of these components.

Homework. Homework is due in class at the **start** of class on due dates. Homework assignments are listed on the class web page. 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.

Midterms. There are three midterms. These are held during lecture times (11:30am–12:20pm) in the classroom (PHSC 108) on the following dates:

Midterm I: Friday, Sept. 18.

Midterm II: Friday, Oct. 16.

Midterm III: Friday, Nov. 20.

Final Examination. The final examination is cumulative. It is scheduled for Monday, December 14 during 1:30pm–3:30pm, and is held in the usual classroom — PHSC 108.

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

- I often 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. Depending on the content, I may provide you with an information sheet during certain 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 Fall 2015 academic calendar at
http://www.ou.edu/content/admissions/academic_calendar/fall-2015.html
Until Sept 4 there is no record of grade for dropped courses. From Sept 5 through Oct 30, you may withdraw and receive an automatic W grade. From Nov 2 on, 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. All cases of suspected academic misconduct will be reported to the Office of Academic Integrity Programs as possible violations of University's Academic Integrity Code. If the violation is confirmed by the Office of Academic Integrity Programs, the penalties can be quite severe, so the best advice is **Don't do it!** For more details on the University's policies concerning academic misconduct consult the link
http://integrity.ou.edu/students_guide.html
This link also has information about admonitions (essentially warnings about potential misconduct for fairly minor infractions) and your rights to appeal charges of academic misconduct.

The Student Conduct Office also contains information about student rights and responsibilities.

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 first week). Students with disabilities must be registered with the Disability Resource Center prior to receiving accommodations in this course. The Disability Resource Center is located in Goddard Health Center, Suite 166, phone (405) 325-3852 or TDD only (405) 325-4173. Their website is at `http://www.ou.edu/drc/`.

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 week 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 now open 6 days a week. It is staffed by mathematics graduate students who can help with your Math 2924 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.