

Math 114 Calculus II

Spring 2009

§9, 10, 11, 12 Lecture MWF 9:00 - 9:50 pm CB 102

§9 Recitation TR 2:00 - 3:15 pm CB 217 (Ozbek)

§10 Recitation TR 3:30 - 4:45 pm CB 207 (Ozbek)

§11 Recitation TR 12:30 - 1:45 pm CB 239 (Taylor)

§12 Recitation TR 2:00 - 3:30 pm CB 215 & M 3:00 - 4:30 pm Math House (Walker)

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Office Hours: TBA and by appointment

<http://www.math.uky.edu/~readdy/114/>

Text: Stewart, **Calculus, Early Transcendentals**, 6th edition (UK Custom Edition)

Prerequisites: 1. High school trigonometry or MA 112
2. A grade of C or better in MA 113 or MA 132.

Material: Refer to the course schedule for the sections we will cover.

Teaching Asst: Ms. Furuzan Ozbek (§9 and 10)
718 Patterson Office Tower
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Office Hours: TR 1-2; Mathskeller F 11-noon

Mr. Steve Taylor (§11)
902 Patterson Office Tower
phone 257-7216
e-mail: steventaylor@ms.uky.edu
Office Hours: To be announced and Mathskeller W 2-3

Mr. Ryan Walker (§12)
722 Patterson Office Tower
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Office Hours: By appointment

Exams : There will be three in-class exams held during the semester:
Wednesday, February 11, 2009
Wednesday, March 11, 2009
Wednesday, April 15, 2009
All of our exams will be held in CB 102 from 9:00 - 9:50 am.

The date of the final exam is:

Thursday, May 7, 2009

10:30 am to 12:30 pm

Location: TBA

The final exam is cumulative.

You must bring a valid photo ID to each exam.

Homework: Homework problems assigned for a given lecture are due at the beginning of the next lecture. Homework must be stapled (if more than one page) and have your name and recitation section clearly indicated on top. Late homework, including homework turned in at the end of class, will not be accepted except in the case of a valid excuse. The entire assignment will be graded for completeness out of 10 points. It is not enough to write the question and answer. Please show your work!

You are expected to complete all of the homework problems, as well as to read and understand the material from the text and lectures.

Quizzes: A short quiz will be given during the last ten minutes of each Friday class, except during exam weeks. This will cover material from the previous week's Monday, Wednesday and Friday lectures.

Attendance: Students are expected to attend all of the lectures and recitations.

Attendance will be taken during recitation. Each unexcused absence from recitation will result in your recitation grade being reduced by 3 points.

Grading: Your course grade will be the sum of the following:

Homework, Quizzes & Recitation	100 points
Exam # 1	100 points
Exam # 2	100 points
Exam # 3	100 points
Final Exam	100 points

The 100 points for Homework, Quizzes and Recitation is found by taking the sum of your homework points (310 possible), recitation attendance (90 points), and quiz points (110 points) and dividing by 5.

Your final course grade will be assigned using the scheme:

A = 90 to 100 % (450 points and above)

B = 80 to 89 % (400 to 449 points)

C = 70 to 79 % (350 to 399 points)

D = 60 to 69 % (300 to 349 points)

E = 0 to 59 % (below 300 points)

At the instructor's discretion, a particular component of your coursework may be curved.

Cheating: Don't do it. It is an extremely serious offense. As a minimum response, I will give a zero to the offender.

No cellphones, computers or calculators allowed during quizzes and exams. By University policy the use of such constitutes cheating.

Laptops are not allowed to be used at anytime in the classroom.

Makeup Exams: If you have a conflict or a valid University excuse, you need to notify me *in writing at least two weeks prior to the exam date*. Failure to do so will result in obtaining a zero on the exam.

And finally...

What is Calculus II?

Calculus II is a continuation of Calculus I.

By the end of the semester, we will be able to answer the following questions:

- What function describes a cable bridge?
- How do you find the volume of the "Slant Leaning Tower of Pisa"?
- How can you determine what number of a particular population of fish can be caught safely to prevent overfishing?
- What velocity must a rocket travel in order to escape the gravitational pull of the Earth?
- What really happens when you press the square root button or the sin x button on your calculator?
- What does the sequence 1, 1, 2, 3, 5, 8, 13, 21, ... have to do with rabbits, pinecones and flowers?
- You are offered a job which pays you 1 cent the first day and keeps on doubling your pay, that is, you are paid 1 cent on Day 1, 2 cents on Day 2, 4 cents on Day 3, etc. Should you take the job?
- You are riding your bicycle at night and a firefly lands on the rim of your wheel. What curve does your friend see as you ride past?
- What does Calculus have to do with Spirograph?