

MA 214 – Calculus IV

Section 401

University of Kentucky, Department of Mathematics

Spring 2009

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Email is the official method of communication for this course.

Office Hours: TR 3:00-4:30

Other times by appointment.

Meeting Times: TR 6:00 - 7:15, CB 345

Required Textbook: *Elementary Differential Equations and Boundary Value Problems* by Boyce and DiPrima (ISBN: 0471433381). We will cover chapters 1-3, chapter 6, and selected parts of chapter 7.

Course Description from University Bulletin: MA 214 is a course in ordinary differential equations. Emphasis is on first and second order equations and applications. The course includes series solutions of second order equations and Laplace transform methods.

Prerequisites: MA 213 or equivalent.

Attendance and Tardy Policy: Student attendance is absolutely essential to student success. Every student should be in class for every class session unless there is an emergency or university defined excused absence. However, attendance will not be monitored. Arriving tardy to a class is a disturbance to the students and a distraction to the instructor. Therefore, it is mandatory that you arrive to class on time every day. If there is a scheduling problem that prevents this, please inform me as soon as possible.

Office Hours: Office hours are a time that I have set aside during the week to meet with my students and answer their questions regarding the class and the homework. You are strongly encouraged to stop by during this time as it is set aside for you. If you are unable to come to my office during office hours but you still have questions please set a time to meet with me that works in your schedule.

Cell Phones: The use of cell phones is not permitted during class. Students are asked to turn their cell phones off or turn the ringer completely off. I ask that students do not put their cell phones on vibrate as this can cause the same distraction as if the phone actually rings. Text messaging is not permitted during class. Although this might not cause distraction to other students it does distract me while I am lecturing. If I notice a student “texting” during class I will call on the student to put their phone away immediately. If the problem persists the student may be dismissed from the class for the day. This is a matter of respect to the instructor and will be monitored.

Homework: Regular homework assignments are a vital part of any math course. Homework assignments will consist of two components: problems that will be collected and graded for accuracy and problems that are suggested but will not be collected. There will be an assignment collected each Tuesday, which was assigned the previous Thursday. It is expected that the student turns in the assignment stapled, with no “ruffled” edges (i.e. it should not be torn out of a spiral bound notebook), written in pencil, and completely legible for the instructor to read. Papers not meeting these requirements will not be accepted.

One goal for the homework in this course is for the students to learn how to write great solutions to a math problem. Your solution should tell a story. You should tell me the method that you will be using and guide me through each step of the process with your calculations. I will provide you with an example of a great solution to a sample problem so that you will know my expectations for your work. Part of your grade on each assignment will be determined by the clarity of your “exposition.” Because writing such a solution will involve more time, I will be collecting fewer problems. Homework will count for 20% of your final grade.

Exams: There will be two midterm exams and a cumulative final exam, for a total of three exams. The final exam will be comprehensive. Each midterm exam will count toward 20% of your final grade and the final exam will count for 40% of the final grade. Calculators will not be allowed on any of the exams. If you miss an exam, a makeup exam will be administered only if the student provides a university approved excuse. It is the students responsibility to notify the instructor ahead of time if possible if they must miss an exam. However, in ALL cases, I must be contacted no later than the day of the exam regarding the absence and scheduling a time to make up the exam. Thus, if you are sick, you must contact me the day of the exam if you need to reschedule the exam.

Grading: Your grade for the course will be broken down as follows:

Exam 1	20%
Exam 2	20%
Homework	20%
Final Exam	40%

The standard grading scale will be employed; i.e 90-100 A, 80-89 B, 70-79 C, 60-69 D, 60 or below E.

Important Dates: There are several important dates that you need to be aware of that I have summarized here for your easy reference.

Last day to withdraw without a W	February 4
Exam 1	February 26 (Subject to change!)
No class – Spring Break	March 16-21
Last day to withdraw with a W	April 3
Exam 2	April 9 (Subject to change!)
Last day of class	May 1
Final Exam	May 5 (Tuesday), 6:00 PM