Math 210, Calculus III, CRN 27159
Spring Semester, 2014

Instructor: Jessica Dyer
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Office Hours: MW 10:10-11 in SEO 1313, or by appointment
Web: www.math.uic.ed/math210 and http://www.math.uic.edu/~jdyer and Blackboard site (still to be opened by university)

Overview

Lecture: 9AM Mon, Wed, Fri, in TH 207

Lab: Lab is Thursdays at 9 AM. Lab TA is David Torres (dtorre24@uic.edu)

Text: Calculus, Early Transcendentals, by W. Briggs and L. Cochran

Grades: Grades will be based on:

> Quizzes: 60 points total
> Homework: 20 points total
> Weekly Summaries: 20 points total
> Labs: 50 points total
> Two Midterm Exams: 100 points each
> The Final Exam: 200 points

Homework: You will be assigned daily homework problems from the textbook, due each lecture day, and weekly summaries due Mondays.

Quizzes: 15 minute quizzes will be given most weeks in lab. No make-up quizzes will be given, but I will drop your lowest quiz score at the end of the semester.

Calculator: A calculator is not required for this class. No calculators will be allowed on exams.

More details and advice

Summaries: In addition to the problems from the book, you must write up weekly summaries of the material covered in the class during the previous week. These should be approximately 1-2 pages. Some weeks you will just write a summary of what we have done, and some weeks I will give you additional guidelines or questions to think about. These summaries are primarily for your benefit; the idea is that you will sit down once a week and review what we have done, think about it and synthesize the main points together, and then you will end up with a nice set of notes that you can use for studying for the exams. I will read them and write comments and answer any questions that you ask in them. If you do not get full credit, I will give you one extra week during which you can re-do or augment your summary to get full credit. So, there is no reason you should not get full credit on all of the summaries, and I highly recommend that you take them seriously as a way to help you study.

Homework: **Homework will be due at the START of lecture.** That means you should turn in your homework by 9AM sharp, not 9:05 or 9:15. There is a list of homework at www.math.uic.edu/math210/homework . I will be assigning roughly this same list of homework; however, the due dates will be different depending on how quickly we

move through the material. My plan is to move more quickly through the beginning of each chapter where the material is more straightforward, to allow for more time to spend on review before exams and on the more difficult material. Once the university opens a blackboard site I will post homework assignments there; for now they are on my webpage. Homework will graded by a separate grader, who will grade one or two problems from each section. The homework is designed to help you learn and stay on top of the material. So, you should make sure that you understand all the problems, even if they were not graded. Assigned homework is a minimal set of problems. You should do more problems from the book on any topic you aren't completely sure about.

Quizzes: There will be a quiz most weeks in lab. I will write the quizzes, grade them, and return them in lecture. The grading style on the quizzes will be similar to exams, so you should view the quizzes as practice for exams. It is important to take them seriously and study for each one. I will let you know in lecture which sections to study for each quiz, but in general quizzes will cover any sections on which you have already turned in the homework.

MLC: The Math Learning Center is located in SEO 430. There will be tutors and TAs there who can answer your questions. This is also a good place for you to meet to work in groups. You can borrow laptops and some textbooks, and you can ask for help when you need it. I highly recommend taking advantage of this resource early and often. You can check the tutor schedule at www.math.uic.edu/mslc/

Office Hours: I am available during my scheduled office hours or by appointment. You should feel free to come see me if you have any questions or confusion or want to discuss anything about the course. You should start coming to office hours as soon as you have any questions; don't want until the day before the exam. To get to my office, SEO 1313, you take the elevator to the 12th floor of SEO and then walk up one flight of stairs. If stairs are a problem for you, let me know and we can meet in an alternate location.

Preparation: This course moves very quickly. To stay on top of the material, you should read the textbook before each lecture so that you have an idea of the concepts. After each lecture, you should read through the material again, and then do the homework problems carefully and make sure you understand them. If you have any questions you should work together, go to the MLC, or come to my office hours. It is also very important to **be on time for lecture**. You will also have to be very familiar with the material from Calc I and II. If you feel you are rusty on anything, you should start reviewing that material right away.

Collaboration: You are encouraged to work together on homework and discuss weekly summaries with your fellow students; however, you must write up your work on your own and make sure you understand it. To get full credit you must clearly show all your work for each solution.

Textbook: We will cover chapters 11-14. You will need this particular textbook in order to do the homework assignments. You can also find pdfs of the homework pages at http://homepages.math.uic.edu/ apsward/math210/

Exams: Midterms: Feb 21, Apr 4 in class. Final: Thurs May 8, 1-3pm. There are past exams and solutions posted on the departmental math 210 page.