Course Aims

This course builds on the concepts defined in Calculus I. In particular, you will learn to tackle more difficult integrals, be able to approximate functions using polynomials, and understand how calculus allows us to model certain natural systems. The main topics we will cover are integration by parts, improper integrals, arc length and surface area, infinite sequences and series, Taylor series, and differential equations. Time permitting we will also study some other coordinate systems (parametric and polar).

Homework and Quizzes

Homework will be assigned after each class, but will not be collected. Instead there will be weekly quizzes consisting of 3-4 problems based on that week's assigned homework. Students are encouraged to work together on the homework, but should make sure that they are able to understand the problems on their own in preparation for the quizzes and exams. Quizzes will be handed out in the last 15 minutes of class every Friday and will be based on the homework from the previous week (Friday - Wednesday). At the end of the semester, the lowest two quiz grades will be dropped. For this reason, there will be no makeup quizzes. Both the homework problems and the relevant sections for the quizzes will be posted to the website.

Exams

There will be two midterm exams and a final exam. The midterm exams will take place on Monday, February 17th and Friday, April 11th during our normal class time. The final exam will take place from 11:30 - 2:00 on Wednesday, May 7th. The midterm exams will not be cumulative, but the final exam will cover material from the entire semester.

There will be no makeup exams without proper documentation. The final for this course is scheduled for the very last exam day, so please schedule any travel plans wisely.

Grading Policy

The grading scheme is as follows:

- Quizzes: 20%
- Midterm Exams: 50%
- Final Exam: 30%
Course Policies

Attendance: There will be no penalty for absences, although inquiries will be made if poor attendance is coupled with poor academic performance. Note that you should make sure to come to class every Friday, as these are quiz days. Examinations may not be made up without express permission from the administration. Any student wishing to have their absence excused should go to the Office for Undergraduate Education in 300 White Hall. You should contact me before missing an exam if at all possible.

Calculators: Calculators will not be necessary for any of the quizzes or examinations, and therefore will not be allowed during those times.

Laptops: Laptops are allowed so long as they are used solely for course-related matters. Any indication otherwise will cause the privilege to be revoked. Students using laptops to take notes should sit in the back of the class, so as not to distract the other students. Laptops as well as cell phones of any kind are not permitted during examinations.

Honor Code: All students must abide by the Emory Honor Code. In particular, students must work alone on quizzes and examinations. Any honor code violation will be reported.

Resources

Extra Help: Students in need of extra help should feel free to contact me or attend my office hours. If additional help is desired, students may make use of the Calculus Help Sessions held Tuesday through Thursday from 5:30 - 7:30 in W201. Tutors are also available through EPASS.

Office Hours: My office hours are designed to be a time when any student can feel free to come by to talk with me about the course. You do not need to inform me that you are coming, and you do not even need to have specific questions ready for me to answer. For example, you should feel free to come by if you want some designated time to work on homework problems, if you had trouble following a lecture, or if you want to go over specific topics that you had trouble with.

Course Webpage: I want to emphasize that all information relevant to this course will be posted to the webpage. I encourage you to check it regularly for homework postings, quiz dates and topics, worksheets, and other resources, as well as any changes to my office hours.

Comments and Concerns: Do not hesitate to come to me with any feedback about my teaching, as well as comments and concerns about the course.

Disclaimer: This syllabus is a general plan for the course; deviations may be necessary.