Math 112 Syllabus

Instructor: Anastassia Etropolski  E-mail: aetropo@emory.edu  
Office: MSC N404  Class Time: MWF 11:45 - 12:35  
Classroom: MSC W304  Office Hours: Tu: 11 - 12, Th: 3:30 - 4:30, F: 10:30 - 11:30  
Textbook: Stewart, Single Variable Calculus, 7E  
Class Webpage: [www.mathcs.emory.edu/~aetropo/112S13.html](http://www.mathcs.emory.edu/~aetropo/112S13.html)

Course Aims

This course builds on the concepts defined in Calculus I. In particular, we will define exponential and logarithmic functions, tackle more difficult integrals and limits, and learn how to approximate functions with polynomials. The main topics we will cover are exponentials, logarithms, integration by parts, improper integrals, trigonometric substitution, l’Hôpital’s rule, infinite sequences and series, and Taylor series. Time permitting we will cover some applications of integration to determining arc length and surface area, as well as study 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 chosen from the homework. Students may 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 **Friday, February 22nd** and **Friday, April 5th** during our normal class time. The final exam will take place from **4:30 - 7:30 on Wednesday, May 8th**. 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 (see Attendance below). The final for this course is scheduled for the very last exam period, so please schedule any travel plans wisely.

Grading Policy

The grading scheme is as follows:

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

Attendance: There will be no penalty for attendance, although inquiries will be made if poor attendance is coupled with poor academic performance. Quizzes and examinations may not be made up unless there are extreme circumstances and the student is able to provide written consent from a dean. In such cases, the student should contact me beforehand 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.

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 W302. Tutors are also available through EPASS.

Students with Disabilities: Students must contact the Office of Disability Services if they require accommodations due to disabilities and should feel free to come to me with any questions or concerns as soon as they arise.

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. If you do not feel comfortable coming to me, please contact my teaching mentor, Dr. Raman Parimala at parimala@mathcs.emory.edu.