

Elements of Calculus - Math 112 Section 1
Monday-Friday 9:30-10:20
Winter 2007

Lecturer: Juliet Anderson

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Office hours: Mon & Wed 1-4 PM, Tues & Fri 11:45 AM-12:30 PM

(Feel free to e-mail or talk with me if you would like to meet at a time other than during my office hours or have any questions or concerns.)

Office: 5355

Office Phone: 546-4574

Text: *Applied Calculus, 3rd Edition*, by Hughes-Hallett, Gleason, Lock, Flath, et al. (ISBN #0471681210)

Prerequisites: Math 111 (preferred 2.0 or better) or Math 110 (2.0 or better) or a score of 70 or higher on the College Algebra COMPASS test (or equivalent algebra score on the SAT, ACT or ASSET and math advisor placement)

Core topics: Rates of change and the derivative

Optimization

Antiderivatives and Integration (Fundamental Theorem of Calculus)

Functions of several variables and partial derivatives

Business and social science applications of the derivative and definite integral

Lectures: Monday to Friday from 9:30 to 10:20 in room 2205. (Note: There will be no class on January 15th and February 19th.) You are responsible for knowing all that goes on in lecture.

Homework: Homework will be collected on Tuesdays with some exceptions made around holidays. I will post the homework in class and on the course website. Homework will be graded out of 15 points; 6 points for completion, 9 points for the correctness of three selected problems from the homework. Since the answers to most of the problems are included in the text, you must write out complete solutions to receive full credit. I will drop the lowest homework grade for each student in final grade calculations. Late homework will not be accepted.

Worksheets: There will be a weekly worksheet, given on Fridays during non-exam weeks. Each worksheet will be based on material covered in class that week and will be open for group work. It will be graded based on participation. Make-up worksheets will not be given, but you can miss one worksheet without penalty to your grade.

Exams: There will be two midterm exams and one final exam. The dates of the exams are as follows:

Exam 1: Friday, Feb. 2nd

Exam 2: Friday, Mar. 2nd

Final: Wednesday, Mar. 21st (8-10AM) in room 2205

- For each exam, you may use a handwritten sheet (8.5" × 11", both sides) of notes and a calculator.
- The final exam will consist of two parts: 1) A cumulative take-home component, 2) The in-class exam, which focuses on material not covered by exams 1 and 2. The take-home portion of the final must be completed individually with no outside help aside from the class notes and textbook.

Grading: Your overall grade will be made up of the following:

Homework 20%	Worksheets 10%
Midterm Exams 20% each	Final Exam 30%

- Final grades range from 0 to 4.0. To obtain a 4.0, the overall grade percentage must be 95% or above. Percentages ranging from 85% to 94% will result in a course grade from 3.0 to 3.9. Percentages ranging from 75% to 84% will result in a course grade from 2.0 to 2.9. Percentages ranging from 65% to 74% will result in a course grade from 1.0 to 1.9.
- The last day to withdraw from the course with a “W” grade is February 22nd.

Other Class Policies:

- Cell phones must be silenced and put away during class.
- Disruptive behaviors will not be tolerated and may result in dismissal from class.
- Any behaviors that may be interpreted as cheating will result in a zero grade for the corresponding assignment or test. A second instance of cheating will result in a course grade of 0.0.

Resources:

- The Math Learning Center in the 2200 building (rooms 2201-2204) is open to students in Math 126. I strongly encourage/recommend for you to work with other students in the class. The MLC is an ideal place to do this. The center is staffed by learning assistants eager to help with any math-related questions that you may have.

MLC Schedule: Mon-Thurs 8:00-6:30
 Friday 8:00-4:00
 Sunday 12:00-6:00

- Students with physical or learning disabilities have a right to services and accommodations which will allow them to successfully compete on an equal basis with non-disabled students. To receive accommodations and services, students must request them each quarter they are needed. Requests can be made to the coordinator of services for students (546-5832, TTY:546-4520) with disabilities in the Foss building (5229).

This syllabus is subject to change. Any changes will be announced in class and an updated syllabus will be posted on the course website.