

Elements of Calculus - Math 148 Section 1
Monday-Thursday 9:00-10:15 am
Summer 2010

Lecturer: Juliet Lovejoy

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Office hours: Monday and Wednesday 10:30 - 11 am, Tuesday and Thursday 8:15 - 8:45 am

(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. When e-mailing, include the word "Math" in the title.)

Office: 5311

Office Phone: 546-4574

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

Prerequisites: Math 111 (preferred, 2.0 or better) or Math 141 (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)

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 Thursday from 9:00 to 10:15 in room 2210. You are responsible for knowing all that goes on in lecture. (No class on Monday, July 5th.)

Homework: Homework will be collected each week on Tuesday. I will post the homework on the course website and will announce the homework (or any changes) in class. Homework will be graded out of 9 points; 6 points for completion, 3 points for the correctness of three selected problems from the homework. To check your answers, look at the solutions manuals in the MLC or the library. Answers to the odd problems are in the back of your textbook.

At the end of the quarter, the lowest homework grade will be dropped for overall grade calculations. Late homework will not be accepted. Your first assignment is due Tuesday, June 29th.

In order to receive credit for each assignment, it must be **complete, on-time (at the beginning of class)**, and meet the following criteria:

***Problem-solving steps must be shown clearly** for all problems.

*It must be on standard-size (8" × 11") paper with no fringed edges.

*Pages must be stapled in order if there is more than one page.

*Answers to word problems must be in complete sentences.

*Graphs must be drawn with a straight edge and axes must be labeled and scaled.

Quizzes: There will be a weekly quiz based on the material covered in the homework due that same day. Quizzes will be graded out of 20 points. I will drop the lowest quiz score for each student in overall grade calculations.

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

Exam 1: Thursday, July 8th

Exam 2: Thursday, July 29th

Final: Thursday, Aug. 12th

- You may submit corrections for the midterm exams for extra points added to your exam score (not to exceed a final score of 100% on each exam). **Corrections must be submitted on a separate paper along with the original exam.** The number of extra points possible is as follows:

Original score of 95% or above	→ up to 2 extra points possible
90%-94%	→ up to 3 extra points possible
80%-89%	→ up to 4 extra points possible
Below 79%	→ up to 5 extra points possible

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

Homework \approx 10%	Quizzes \approx 24%
Midterm Exams \approx 20% each	Final Exam \approx 26%

- 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 or to switch to Audit is July 22nd. The last day to switch to a Pass/No credit option is July 19th.

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 homework, quiz, or exam. Such grades will not be dropped at the end of the quarter. A second instance of cheating will result in a course grade of 0.0.

Emergency School Closure: If class is canceled because Shoreline Community College is closed (inclement weather, power outage, etc.), we will continue from where we left off for the next class. In particular, if the school is closed on the day of a quiz or exam, the quiz or exam will be given at the next class.

Resources:

- The Math Learning Center in the 2200 building (rooms 2201-2204) is open to students in Math 148. 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: Monday-Thursday 8:30 am - 3 pm, Friday 9 am - 3 pm
- 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 (546-4545, TTY:546-4520) with disabilities in the Foss building (5226).

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