

Syllabus:

Math 241 Calculus I

Instructor: Matthew Lorentz

e-mail: lorentzm@math.hawaii.edu

Office: PSB 304

Meeting times: MTWF 12:00-1:20

Textbook: *University Calculus*, J. Haas, M. Weir, and G. Thomas

Office hours: Mondays and Wednesdays 2:00 – 4:00

- It is important that you seek out help as soon as you experience difficulty. This class moves fast and if you fall too far behind you may not be able to catch up.
- Extra help can be found at the Learning Emporium, <http://www.hawaii.edu/natsci/math.php>
And from The Learning Assistance center, <http://manoa.hawaii.edu/undergrad/learning/>

Homework: Your overall homework score will be worth 20% of your total grade. Homework will be assigned twice weekly on Tuesday and Friday. The homework assigned on Tuesdays will be due on Friday and the homework assigned on Friday will be due the following Tuesday. Late homework will NOT be accepted; I will however drop the two lowest homework scores.

- On each homework I will randomly chose two problems to grade in detail. These problems will be worth half of the points available for the assignment. Partial credit will be given generously on these problems.
- One quarter of the homework grade will be for overall exposition. Math is primarily about communication. To that end, I will expect your homework to be neat, organized, and coherent. You must show your work. You must use proper notation. Each line should follow from the previous and each step must be properly justified. If I do not immediately understand what you are doing and why you are doing it I will take points off. Sloppy, incoherent work will receive no credit.
- One quarter of the homework grade will be for completion.
- You must read the book. This means the part before the problems. If something is in a box in the text, you are expected to know it.
- Many of the homework questions will have answers in the back of the book. Moreover there are many online resources available to assist you such as:
 - Wolfram alpha; online and apps that provide steps but not full solutions.
 - Chegg; Provides solutions to problems
 - Khan Academy; provides video tutorials
 - Warning!! The solutions on Stack Exchange are frequently wrong.

A word of warning when using these sites; it may be tempting to let these sites do your homework for you. Do not let that happen. Do your own work and use these sites to check your work or when you are hopelessly stuck. Take the time to understand *why* the solution is what it is. The primary purpose of the homework is to prepare you for the tests, which are the majority of your grade.

Tests: There will be two midterms and an in class final.

- Each midterm will be worth 25% of your total grade.
- The first midterm will be on June 24th, and the second will be on July 15th.
- The questions on each midterm will be similar to the difficult problems from the homework.
- The final test will be worth 30% of your total grade.
- The final test will be on the last day of class, August 12th, and will be cumulative.
- No calculators, notes, or books are allowed during tests (you should not need a calculator at all in this class).
- There will be *no* make-ups for any tests except in the case of a properly documented medical or family emergency. If you will miss a test for a school related excused absence (e.g. a travel team). It is your responsibility to arrange a time to take the test *before* the absence.
- While grading tests I will focus on correctness more than exposition but your work should still be neat, organized, and fully justified.

Cheating: I have a zero tolerance policy on cheating. If you are caught cheating you will receive a zero on that test. If you are caught twice you will not pass the class.

Grading curve:

90% - 100% will be an A

80% - 89% will be a B

70% - 79% will be a C

60% - 69% will be a D

Below 60% will be an F

While I may choose to lower the curve, I will not raise it.

Accessibility: Any student who feels s/he may need an accommodation based on the impact of a disability is invited to contact me privately. I would be happy to work with you, and the KOKUA Program (Office for Students with Disabilities) to ensure reasonable accommodations in my course. KOKUA can be reached at (808) 956-7511 or (808) 956-7612 (voice/text) in room 013 of the Queen Lili'uokalani Center for Student Services.

Important dates:

June 20th, last day to drop.

July 4th, Independence Day, no class.

July 17th, last day to withdraw.