

Syllabus:

Math 241 Calculus I

Instructor: Matthew Lorentz

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Office: Kell 404C

Meeting times: MTWRF 9:00-10:25

Textbook: *University Calculus (Alternate edition)*, J. Haas, M. Weir, and G. Thomas

Office hours: TBA or by appointment. Attending at least one office hour per week will be worth one extra credit percentage point per week on your overall grade.

- 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/>

Course Material: This course will cover chapters 2–6 of the text. The main topics are the limits of functions, differentiation of functions, and integration of functions. We will cover a number of applications of each.

Homework: Your overall homework score will be worth 30% of your total grade. Homework will be assigned daily and will be due the next class session. 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.
 - Khan Academy; provides video tutorials

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.

Quizzes: There will be a 10 minute quiz every Friday. The quizzes will be worth 10% of your grade.

Tests: There will be a midterm and an in class final.

- The midterm will be worth 30% of your total grade.
- The midterm will be on July 3rd.
- The questions 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, July 27th, 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:

6-25-18 last day to drop

7-11-18 last day to withdraw