

## MATH 242 — CALCULUS II

**Instructor:** Matthew Lorentz    Email: [lorentzm@math.hawaii.edu](mailto:lorentzm@math.hawaii.edu)  
Website: [math.hawaii.edu/~lorentzm](http://math.hawaii.edu/~lorentzm)

**Lectures:**            Section 12    1:30-2:20 MWF    WAT 112  
**Recitations:**        Section 12    9:00-9:50 R        Keller 404  
**Office Hours:**                    2:30-3:30 MWF    Keller 404C  
(subject to change,                9:30-10:30 T       Keller 404C  
check website.)

**Book:** We will use *Calculus*, 8th Edition, by Stewart (ISBN-13: 9781285740621), including material from Chapters 6, 7, 11, and 9. A MultiTerm e-Pack (WebAssign and online text for up to 4 years) is available directly from the publisher, Cengage. It can be combined with a loose leaf printed version for an extra charge.

**Course description:** Basic concepts, differentiation with applications, integration.

**Prerequisites:** A grade of C or better in Math 241 or Math 251A, or a grade of B or better in Math 215.

**Calculators:** Calculators are not allowed on any quiz or any exam.

**Attendance:** All students are expected to attend and participate in each class, discussion session, and exam. A student who misses a class meeting is responsible for any assignments and/or announcements made. Unavoidable absences should be explained to the instructor.

**Out-of-class work:** For a 4-credit-hour course, you are expected to spend at least 8 hours each week outside of class and recitations on work related to this course.

**Skills quiz:** A Calculus I and precalculus skills quiz will be given during the first recitation of the semester. (Details on the possibility of retaking this quiz are described in section on the Early Action Program below.)

**Exams:** We will have 2 evening midterms and one final exam. The final is cumulative; the midterms are not. Note the date and time of the midterms: midterms are outside of class in the evenings; the final takes place at 12 noon on Wednesday of finals week.

MIDTERM 1:    Date: February 20th, Time: 6:00-7:15pm, Place: SPAL 155.

MIDTERM 2:    Date: April 2nd,        Time: 6:00-7:15pm, Place: SPAL 155.

FINAL:            Date: May 13th,        Time: 12:00-2:00pm.

Attendance on these dates is compulsory; otherwise, a grade of zero will be recorded. Any student who has an excused, documented conflict with a test time must inform their instructor **within the first two weeks of the semester** when possible. Late requests will either be denied or will result in an automatic deduction from the exam score.

For those students with an excused absence for a midterm, there will be a make-up exam which must be taken within two working days of the scheduled exam time (before or after). If you are unable to take a midterm for a valid reason, the score you attain in the final will count towards the missed midterm. The final exam cannot be taken before the scheduled time for any reason.

Conflicts arising from work or social obligations, or from personal travel plans do **not** qualify as excused absences. By registering for this course, you are agreeing to take all exams at the scheduled times.

Past final exams can be found at <http://math.hawaii.edu/home/common-finals/242/>

**Early Action Program:** Throughout the semester there will be optional extra recitations, in addition to the regular recitation sessions (for which attendance is mandatory). The extra recitations are held in the afternoon/evening up to three times a week, and are led by Learning Assistants, one of whom will be present in your regular recitation section.

During the first three weeks of the program, students who did not pass the skills quiz will be invited to attend the extra recitations. The purpose is to allow students to hone their precalculus skills. Students who participate in at least one hour of extra recitations will be allowed to retake the skills quiz, replacing their score.

Following the first midterm, students scoring below a certain threshold (to be announced) will be given the opportunity to participate in the following two weeks of extra recitations. The purpose of these intensive recitations are to allow students to solidify their knowledge of the material covered on the first midterm. Students who complete at least six hours of extra recitations will be allowed to retake the first midterm. Scores on the retake may replace the original Midterm 1 score, but will be capped at the specified threshold (this is to be fair to students who are not eligible to participate).

There will be no retake of Midterm 2.

Optional extra recitations will continue for the remainder of the course, for help with the course content.

**Online Homework:** Online homework will be assigned after every class through WebAssign, and is due at 11:59pm on the day of the next class. Late homework will not be accepted. The class key for WebAssign is, hawaii 2234 2296 To access the WebAssign portion of the class go to GetEnrolled.com and enter the class key.

**Written Homework:** Written homework will be assigned every Monday in class and is due at the beginning of the discussion session on Thursday. Late work will not be accepted.

**Quizzes and discussion sessions:** At the beginning of each discussion session there will be a quiz. The quiz will consist of 2-3 problems from the written homework. After the quiz we will work in groups on a worksheet. The worksheet will be due at the beginning of class the following Monday.

**Grades:** The overall grade will be assigned according to the following weights:

Online Homework	10%
Written Homework	5%
Quizzes	10%
Recitations	5%
Midterms	20% each
Final	30%

The following table gives a minimum grade for each score. For example, an overall score of 83% is guaranteed to earn at least a B grade.

Grade	A	A-	B+	B	B-	C+	C	C-
Score (%)	93	90	87	83	80	77	73	70

**Sources of help:** All students are encouraged to come to *office hours* to discuss homework questions or material from class. If the advertised times do not suit you, please email me for an appointment.

There is also tutoring available at the *Learning Emporium*, hosted by the College of Natural Sciences. Details will be posted when available.

**Academic integrity:** All students are expected to abide by the university's Conduct Code. Academic sanctions for dishonesty may include receiving an F in the assignment or receiving an F in the class. There may be additional administrative sanctions.

<https://www.hawaii.edu/policy/?action=viewPolicy&policySection=ep&policyChapter=7&policyNumber=208>

**Classroom policies:** Please refrain from using electronic items, including calculators, cell phones, music players, tablets, laptops, etc., during class, except for note-taking. Please arrive, be seated and ready to start each class on time. If you have a valid reason to leave early, please sit near the exit to minimize disruption.

**KOKUA:** I am happy to work with you and the KOKUA Program (Office for Students with Disabilities), if you need course accommodations due to a disability. 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. All course modifications must be arranged through KOKUA. You are encouraged to start this process as early as possible.

**Concerns:** If at any time during the semester you have any questions or concerns about the class, please contact me during regularly scheduled office hours or via email to make an appointment. You may also contact the following people:

Course coordinator	Rufus Willett ( <a href="mailto:assoc-chair@math.hawaii.edu">assoc-chair@math.hawaii.edu</a> )
LA coordinator	Thomas Hangelbroek ( <a href="mailto:hangelbr@math.hawaii.edu">hangelbr@math.hawaii.edu</a> )
Director of Undergraduate Studies	Mirjana Jovovic ( <a href="mailto:undergrad-dir@math.hawaii.edu">undergrad-dir@math.hawaii.edu</a> )
Associate Chair	Rufus Willett ( <a href="mailto:assoc-chair@math.hawaii.edu">assoc-chair@math.hawaii.edu</a> )

## ADDENDUM: CHANGES WHEN WE HAVE NO IN-PERSON CLASSES

As part of efforts to limit the spread of coronavirus, we will not have in person classes from Monday March 23rd for the remainder of the semester.

This addendum to the syllabus describes the changes to the course structure when we do not have in-person classes.

### Lectures

Recorded lectures will be uploaded to, "resources" → "lectures" on Lulima every Monday, Wednesday and Friday morning at 9am. These lectures will be mainly in the form of worked examples, and will be a collection of short videos made on a tablet. You will have a writing assignment based on these lectures (see participation below).

### WebAssign

Accompanying each lecture will be a collection of problems on WebAssign, which will open at the same time. The problems set on Monday will be due on Wednesday at 11:59 pm, those set on Wednesday will be due Friday at 11:59, and those set on Friday will be due on Monday at 11:59. *Note: the only thing that has changed regarding the WebAssign homework is that it will be available earlier in the day.*

The WebAssign homework will be weighted the same as in the original syllabus (10% of total grade).

### Worksheets

Each week on Thursday morning at 9am, a new worksheet will be uploaded to Lulima as an assignment. You should work on this (you are welcome to work with others) and turn it in via Lulima (either scanned or photographed) by 11:55pm on Monday. If you are able to submit your worksheet as a pdf that would be appreciated but it is not necessary.

Worksheets will be weighted the same as in the original syllabus (5% of total grade).

**Written Homework** Written homework will be posted as a Lulima assignment every Monday at 9:30am, and will be due Thursdays at 11:55pm. *Note: All work that would be due on Thursday March 26 will be due on Friday March 27 in observance of Prince Kuhio Day.*

Written homework will be graded as before and will be weighted the same as in the original syllabus (5% of total grade).

**Quizzes** Quizzes will take place on WebAssign. They will be available on WebAssign Thursdays at 9:30 and will be due the same day at 11:59pm. **Note:** the quizzes will still be timed, once you open a quiz on Lulima you will have 15 minutes to complete it. Unlike the in class quizzes the WebAssign quizzes will be similar to the problems on the written homework but will not match precisely. *Note: All work that would be due on Thursday March 26 will be due on Friday March 27 in observance of Prince Kuhio Day.*

During this period of online classes half of your total quiz score will come from WebAssign quizzes and the other half will be your participation score detailed below.

## Participation

It is very important not to let yourself fall behind! – this is a major risk with online-only classes. The point of the participation credit is to try to help everyone avoid this.

Every Thursday there will be a writing assignment on Laulima in which you are expected to summarize the content of the recorded lectures listed in the assignment. Your response should be two to three paragraphs long. *Note: All work that would be due on Thursday March 26 will be due on Friday March 27 in observance of Prince Kuhio Day.*

These writing assignments will be worth half of your quiz score for the week.

## Midterm 2

The second midterm will happen as scheduled on April 2nd. There will be two components:

- (1) A component on WebAssign. This will be available at the usual exam time 6:00-7:15pm. You must make sure you are available somewhere with good computer access at that time. Campus computing facilities will remain open throughout, so you can use computers on campus if this works out best for you.
- (2) A written component with long-form answers to around four questions. This will be made available as a assignment on Laulima at 9am on April 2nd, and you will have until midnight on April 2nd to complete it and upload it to Laulima for grading.

You should work on both components by yourself, but the second component is open-book. The first should be done without notes.

We will provide a sample exam about a week before the test to give you an idea of format.

## Office hours

Myself, and our LA Kaeo will try to be as available as we can via Google Hangouts Meet, an online system that you can access either on a computer (with microphone and speakers), a smartphone, or by a landline (voice only). We will guarantee that we are available at the following times (provided that we do not fall ill ourselves), and will be available by appointment at other times. As always you may email me [lorentzm@math.hawaii.edu](mailto:lorentzm@math.hawaii.edu) anytime if you have questions.

To join the video meeting, follow this link: <https://meet.google.com/efa-qzbj-wka> Otherwise, to join by phone, dial +1 224-662-0661 and enter this PIN: 974 374 990#

times available:

- Matt: MWF 1:30-3:30, TR 10:00-11:00
- Kaeo: R 9:00-10:00

This might change, in which case I'll announce changes by email.

## Sickness or other issues

If you or those close to you are unwell in a way that makes you unable to do work associated with the class, please let me know as soon as possible so we can make alternative arrangements for missed work. As medical professionals have more important things to do

at the moment, I will not expect a doctor's note or similar, but trust everyone to take this seriously.

### **Restarting in-person classes**

Currently classes are scheduled to restart on April 13th. If this happens, we will go back to the grading scheme in the main part of the syllabus, including having a final exam at the usual time. If in-person classes remain canceled for longer, the system in this addendum will remain in place, and I will be in touch with details about the final closer to the time.