

Syllabus — Math 253a Section 1 Accelerated Calculus III, Fall 2023

(preliminary)

Professor and contact information

Professor: David Ross

Office: Physical Sciences Building (PSB) 319

Phone: 956-4673 (but I often have the phone ringer off, and the voicemail is flaky - email is much better)

Email: ross@math.hawaii.edu

Course Website: www.math.hawaii.edu/~ross/253.htm

Professor Website: www.math.hawaii.edu/~ross

Office Hours: Walk-in: To Be Determined. Zoom by appointment.

General

Lecture: MWF, 1130-1220: Keller 403 **W, 1230-1320:** Keller 404

Also: There will be several asynchronous video lectures over the course of the semester. These are for topics where I've decided that the ability to rewind or fast forward through the lecture is useful.

Web: You should check the website regularly for announcements, assignments, video links, and (especially) handouts.

Grades, Policies, Etc.

Text: *Calculus (Eighth Edition)* by Stewart. We will cover most of chapters 12-16 of the text. This is a lot of material for one semester; 243-4 covers the same material in two semesters. There are also some prerequisite topics that not everyone has seen, those will be added as supplements.

Mid-term exams: There will be 3 of these.

You will be not allowed to use a calculator on these (or on quizzes if we have them). Nor should you need them. I will permit a crib sheet (one side of one 8×11 sheet of paper) for the exams.

Final exam: Cumulative, worth roughly 1.5 midterms (see below). Same calculator/crib sheet policy applies.

Exam Schedule: Midterm 1: September 15

Midterm 2: October 20

Midterm 3: November 22

Final Exam: Friday, December 15, 12-2

Notice that the date for the Final Exam is set in stone by the campus. The other dates are slightly flexible.

Text Homework: Assigned frequently and in great quantity, but ONLY A FRACTION OF THE ASSIGNED PROBLEMS ARE TO BE TURNED IN. Homework assignments will be posted on the website.

WebWork: I will also be assigning homework from an online system called WebWork. This is a free system run by the math department, you don't need to buy anything but you will need access to some kind of computer: while the system is browser-based, it is much easier to see on a bigger screen than a phone, and easier to enter formulas if you have a real keyboard.

Recitation section: The second hour on Wednesdays will be a recitation section run by Rico Vicente. This will be a chance to ask for help on HW questions (you should also feel free to ask during 11:30-12:20 periods MWF), but also there will be some group work and possibly short quizzes. This is not an optional section!

Text homework, WebWork, and a discussion section grade will together give you a **classwork grade**, worth the same as a midterm exam (but see below)

Extra Credit: We will do other activities as optional/extra credit. This will factor into your classwork grade.

+/-: No plus/minus grades will be given.

Grades: Scores will be amalgamated at the end of the semester, and your final class grade based on the total. The lowest midterm *or* the classwork score *or* 1/3 the final exam will be dropped, whichever one helps your grade the most. The scores are added together to get a first approximation of the grade. A final grade is assigned based on this approximation, but the grade might be pushed up or down based on score trends, preponderance of evidence, attendance, etc., or the special conditions from the next paragraph.

Special conditions: (a) A student cannot pass by passing just one midterm (or the quiz grade). For example, if a student receives an F on the final and 2 midterms, but a C or D on one midterm, and the numerical average turns out to be a D, the student will still receive an F. (b) A student will not receive more than one letter grade lower than the Final Exam letter grade, unless the Final was borderline and the other scores were appreciably worse. For example, a student with a middle B on the Final Exam will not earn worse than a C for the semester. However, a student with a borderline B/C on the final, and midterms so low as to drag the cumulative average down to a D, will earn the D for the semester.

Make-up work: MAKE-UP MID-TERM EXAMS OR QUIZZES WILL NOT BE GIVEN UNDER ANY CIRCUMSTANCES. If you miss an exam, that is the exam that gets dropped in the grade computation. If you have an excused absence, then your final exam grade will be substituted for the missing exam. A make-up **final** will only be given under extraordinary circumstances, and will never be given on a date earlier than the established, announced exam date.

Cheating: Cheating will not be tolerated in this class. It is the student's responsibility to ensure that (s)he does not copy from another student, or let another student copy from him or her. If I have strong reason to suspect that some infraction has incurred, I will at the very least adhere strictly to my policy (above) on the granting of partial credit, and not give any to the suspected student(s); under egregious circumstances I will fail the student.

Attendance: Mandatory, though I won't usually take roll.

Expectations: Please read the statement at the 'Academic Expectations' link at the class website. It will give you a sense of what I expect from you as far as work and personal responsibility.

Cell phones etc: If you have a cell phone, the ringer must be turned off during the class. The same goes for other noise sources.

Laptops: Please close all computing devices and do not use them in this classroom during lecture. Tablets or tablet PCs will be allowed for note-taking provided I can be sure they are not being used for anything else.

Respect: It is your responsibility to avoid activity which will be a distraction to others. A few insensitive people can easily (and inadvertently) irritate many classmates at one time. Please try to respect the personal space of others – in particular, try to limit classroom discussion to that which is appropriate for the class.