

MATH 253A — ACCELERATED CALCULUS III

Instructor: Andrew Sale andrew@math.hawaii.edu PSB 302
TA: Matt Lorentz lorentzm@math.hawaii.edu Keller 404C

Lectures: MWF 11:30am - 12:20pm Keller 404

Recitation: T 10:30am - 11:20am Keller 403

Office Hours:

Andrew: T 11:20pm - 12:20pm* PSB 302

 M 2:30am - 3:30pm* PSB 302

Matt: W 10:00am - 11:30am* Kell 404C

**Office hours are likely to change: check [Laulima](#) for current times.*

Book: *Calculus*, 8th edition, by Stewart. The publisher also produces a Student Solution Manual, which contains worked solutions to odd number questions.

Course description: Vector calculus, maxima and minima in several variables, multiple integrals, line integrals and Greens Theorem, surface integrals, Stokes Theorems.

Prerequisites: Math 252A, AP Calculus BC score of 4 or 5 and consent; or a grade of A in Math 242 and consent.

Office Hours: You are encouraged to come to office hours, no appointment is required, simply turn up in the right place within one of the allocated time slots and we will be happy to answer your questions about class content, go through homework questions with you, and so on. If you are unable to make these times, please send one of us an email and we can make an appointment at a time that suits you better.

If you want to discuss something personal, such as you grade in the course, it is usually better to email me in advance and we can find a time slot outside the usual office hours.

Schedule: An approximate course schedule will be uploaded to Laulima.

Homework: In the schedule is a list of exercises from the textbook. You should do these exercises after we have covered the material in class. You are not required to hand in this work, however the instructor or TA may ask to see evidence that you are spending enough time doing them. It is recommended that you use a dedicated notepad/folder for this homework and be prepared to show this to the instructor/TA as requested.

Quizzes: Problems for the quizzes come from the homework problems listed in the schedule. The lowest quiz score will be dropped when calculating your grade.

Worksheets: Most discussion sessions will involve a worksheet. You should work through this in groups during the recitation, asking your TA for help when needed. You should finish the worksheet at home and hand in on the given due date, one sheet per person. The worksheets will principally be graded by completion, though there will be a small number of points determined by correctness.

Exams: We will have 3 midterms (in class) and one final. The midterm dates will *probably* be as follows. (The final date is fixed, but the midterms may move slightly; exam dates will be confirmed in class and on Laulima).

- MIDTERM 1: Monday September 23rd.
- MIDTERM 2: Monday October 21st.
- MIDTERM 3: Monday November 18th.
- FINAL: Friday December 20th, 12:00–2:00.

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

Quizzes and worksheets	200 points total
Midterms	100 points each
Final	200 points
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TOTAL	600 points

Most worksheets and quizzes will be weighted equally when calculating the quiz and worksheet points.

Academic integrity: All students are expected to abide by the university’s Conduct Code.

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

Attendance: All students are expected to attend and participate in each class and discussion session. If you miss class for a valid reason, please send me an email to let me know.

Missed exams and quizzes: In general there are no make-ups for quizzes or midterm exams, except possibly in extreme circumstances. If you miss a midterm for a valid reason, the score you attain in the final will count towards the missed midterm. The make-up policy for the final exam will follow university procedure as outlined in the undergraduate catalog.

If you are entitled to extra time in an exam, or if you have a valid excuse for missing class on the day of the exam, you must give at least one week’s notice by email when possible.

Classroom policies: Please refrain from using electronic items, including cell phones, music players, tablets, laptops, etc. during class. 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 minimise disruption.

Kokua: I am happy to work with you and Kokua, the university’s office for students with disabilities, if you need course accommodations due to a disability.

Concerns: If at any time during the semester you wish to discuss class procedures, schedule, grades, or any class situation, please contact me during regularly scheduled office hours or via email to make an appointment.

Disclaimer: This syllabus is intended to give the student guidance in what may be covered during the semester and will be followed as closely as possible. However, the instructor reserves the right to modify, supplement and make changes as the course needs arise.