

Lecture Section 01: MWF 10:30–11:20am

Classroom: Webster 113

Instructor: Pierre-Olivier Parisé (email: parisepo@hawaii.edu)

Office: Physical Science Building (PSB) 302

Office hours: TBA

COURSE DESCRIPTION

Multiple integrals, line integrals and Green's Theorem, surface integrals, Stokes' and Gauss' Theorems.

COURSE OBJECTIVES

Upon successful completion of Math 244 the student will have an understanding of topics listed above, be able to solve routine problems in a multidimensional setting, and be able to apply properly Green's, Stokes, and Gauss' Theorems to compute line integrals, or surface integrals.

Prerequisites: Math 243 or consent.

REQUIRED COURSE MATERIAL

Book: *Calculus*, 8th Edition, by Stewart (ISBN-13: 9781285740621).

Course website: <https://mathopo.ca/courses-website/MATH-244/MATH-244.html>. All the information about the course (like the schedule, important dates, lecture notes) is posted on the course website. All homework assignments and announcements are posted on the Laulima website.

IMPORTANT DATES

Refer to the schedule on the course website.

- Midterms (tentative dates):
 - Midterm 1 on September 11th.
 - Midterm 2 on October 16th.
 - Midterm 3 on November 13th.
- Final:
 - December, 11th, 9:45–11:45am (classroom unknown yet).
- Non-instructional day(s):
 - Labor Day, September 4th.
 - Veteran's Day, November 10th.
 - The day after Thanksgiving Day, November 24th.

GRADING COMPONENTS

Your final grade will be calculated based on a weighed average of the following components.

- (1) **Summaries (10%):** There will be two summaries of the material of Chapter 12. The first summary is due on August, 25th, 6pm and the second summary is due on the week we finish the material of chapter 15. The detailed instructions are available on Laulima, under the Assignments tab.
- (2) **Homework (20%):** There will be homework each week assigned on each Mondays (starting on August, 28th) and due for the next Monday, before 6pm. The problems will be posted on Laulima under the Assignments tab. Only your best 10 homework scores will be considered to compute your average.
- (3) **Midterm exams (40%):** There will be 3, closed notes, closed book, non-cummulative midterms of 50min each. Your best 2 exam scores will be considered to compute the average.
- (4) **Final exam (30%):** There will be a final comprehensive exam as scheduled by the university on December, 11th, 9:45–11:45am. This exam is in-person.

LECTURES

If you miss a lecture, you are responsible for any assignments and/or announcements made. Unavoidable absences should be explained to the instructor. Office hours will not be utilized to re-teach material presented in a class missed. Also the lectures won't be recorded, and the notes won't be posted. It is your responsibility to stay up-to-date.

MISSED ASSIGNMENT POLICIES

Policies for exams: Attendance on the exams 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 two weeks prior to the midterm targeted** 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. **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.

Policies for homework: Late homework won't be accepted and will result of a mark of zero(0). If the guideline for a homework is not followed, at most 5% will be retrieve from this homework total points. The guideline is available in the Homework webpage of the course website.

Policies for Summaries: Late summaries are accepted, but 20% of the total will be deducted for each late day.

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.

CLASSROOM POLICIES

Tablets can be used for note-taking only. During lectures, to respect the lecturer and your colleagues, refrain from using electronic items, cell phones, music players, tablets, and laptops for any other purposes than note-taking.

Please arrive, be seated and ready to start each class on time. If you have a valid reason to leave early, please advise me before the class and try to sit near the exit to minimize disruption.

SOURCES OF HELP

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:

Director of Undergraduate Studies

Mirjana Jovovic

Email: undergrad-dir@math.hawaii.edu

Associate Chair

Bjørn Kjos-Hanssen

Email: assoc-chair@math.hawaii.edu