

SYLLABUS

Math 244 Calculus IV
Lecture: TR 12:00–1:15pm

SPRING 2022
Keller 404

Instructor: Pierre-Olivier Parisé (email: parisepo@hawaii.edu)
Office: Physical Science Building (PSB) 302
Office hours: TR 9:30–11:00am

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), material from Chapters 12 and 15–16.

Course website: <https://mathopo.ca/courses-website/MATH-244/MATH-244.html>. All the information about the course (like the schedule and important dates) is posted on the course website.

IMPORTANT DATES

Refer to the schedule on the course website for a detailed schedule.

- Midterms:
 - Midterm 1 on March, 10th.
 - Midterm 2 on April, 28th.
- Final:
- Non-instructional day(s):
 - Spring recess from March 14th to March 18th.
 - Study day on May, 6th.

GRADING COMPONENTS

- (1) **Homework (30%):** There will be homework each two weeks assigned on each Tuesdays (starting on January 18th), downloadable on the course website or on gradescope, and due for the next Tuesday. The students will be required to scan and upload their solutions to the homework on Gradescope (<http://gradescope.com>, entry code N87KN8) before 5pm. Take some time to go on the course website tab Homework for more details on the submission format of your solutions. You should

have access to the book because the exercises may be extracted from it. The six best homework grade (out of seven) will count for the course average.

- (2) **Summaries (10%):** There will be two summaries of the material of Chapter 12. The first summary is due for Tuesday, 18th, 5pm and the second summary is due for Tuesday 22nd, 5pm.
- (3) **Midterm exams (30%):** There will be two, closed notes, closed book, midterms. Each exam will have a duration of 75min. They will take place in-person on Thursdays (may change upon notice and due to COVID-19 restrictions). No extra time will be allowed. Midterms are not cumulative.
- (4) **Final exam (30%):** There will be a common final exam as scheduled by the university on XXX-XXXX. This exam is cumulative and will be in-person.

Evaluation	Number	% average
Midterms	2	30%
Final	1	30%
Homework	7	30%
Summaries	2	10%
Total	10	100%

LECTURES AND RECITALS

There will be lectures each Tuesdays and Thursdays, 12:00–1:15pm taking place at Keller Hall 404. All students are expected to attend and participate in each lecture and take their own personal notes.

A student who misses a lecture or recital is 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 by a student.

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 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). 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/244/>

Policies for homework: No late homework accepted. A deduction of 15points per each late day will be deduced from the homework total grade.

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/index.php?action=home&policySection=ep>

CLASSROOM POLICIES

Tablets can be used for note-taking only. During lectures, 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. The classroom door will be locked at 12:00pm. No one will enter after this 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

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. It will be our pleasure to accomodate you for either in-person or online meeting.

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.

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

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