

# SYLLABUS

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

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SPRING 2022  
Keller 404<sup>1</sup>

**Instructor:** Pierre-Olivier Parisé (email: [parisepo@hawaii.edu](mailto:parisepo@hawaii.edu))  
**Office:** Physical Science Building (PSB) 302  
**Office hours:** T 9:30–11:00am R 3:00pm–4:30pm

## 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 and important dates) is posted on the course website.

## IMPORTANT DATES

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

- Midterms (tentative dates):
  - Midterm 1 on February 17th.
  - Midterm 2 on March 31st.
- Final:
  - May 11th, 12pm–2pm.
- Non-instructional day(s):
  - Spring recess from March 14th to March 18th.
  - Study day on May, 6th.

## GRADING COMPONENTS

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

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<sup>1</sup>For the first two weeks, we will meet by Zoom. See the details in the section Lectures.

- (1) **Homework (20%):** There will be homework each week assigned on each Tuesdays (starting on January, 18th) and due for the next Tuesday, before 5pm. The problems will be posted on Laulima under the assignment tab and the solutions will be posted in the Homework webpage of the course website. You will upload your homework on Laulima, in the assignment tab. Your best 10 homework scores will be considered to compute your 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 the next Tuesday after the week we finish the material of chapter 15. The detail instructions are available on Laulima, under the Assignments tab.
- (3) **Midterm exams (40%):** 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 final comprehensive exam as scheduled by the university on May, 11th, 12:00pm–2:00pm. This exam is suppose to be in-person but it may change due to COVID-19 restrictions.

Evaluation	Number	% average
Midterms	2	40%
Final	1	30%
Homework	10	20%
Summaries	2	10%
Total	13	100%

## LECTURES

For the first two weeks of the semester, the lectures will be online on Zoom. Here is the link to the Zoom room:

- Join Zoom Meeting  
<https://hawaii.zoom.us/j/98548052520>  
 Meeting ID: 985 4805 2520  
 Passcode: 766117

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. An absence due to a positive COVID-19 test result must be notified to the instructor prior to the exam date and is not subject to the previous 2 weeks rule.

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:** 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.

**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, 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

**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](mailto:undergrad-dir@math.hawaii.edu)

#### **Associate Chair**

Bjørn Kjos-Hanssen

Email: [assoc-chair@math.hawaii.edu](mailto:assoc-chair@math.hawaii.edu)