UNIVERSITY of HAWAIʻI
WINDWARD COMMUNITY COLLEGE
Ke Kulanui Kaiāulu o ke Koʻolau

Math 244 - Calculus IV

Spring 2026
3 Credits | CRN 63057
8-Week Course (3/9/2026 – 5/8/2026)

* This syllabus and/or our Course Schedule is subject to change at any time. I will notify you of any changes via the Lamakū Announcements tool. Mahalo!

About Windward Community College

Mission Statement

ʻO keia ka wā kūpono e hoʻonui ai ka ʻike me ka hoʻomaopopo i kō Hawaiʻi mau hoʻoilina waiwai. Aia nō hoʻi ma ke Kulanui Kaiāulu o ke Koʻolau nā papahana hou o nā ʻike ʻake akamai a me nā hana noʻeau. Me ke kuleana koʻikoʻi e hoʻohiki ke Kulanui e kākoʻo a e hoʻokumu i ala e hiki kē kōkua i ka hoʻonui ʻike a nā kānaka maoli. Na mākou nō e hoʻolako, kākoʻo a paipai i nā Koʻolau a kō Oʻahu aʻe me nā hana noʻeau ākea, ka hoʻonaʻauao ʻoihana a me ka hoʻonui ʻike ma ke kaiāulu— hōʻaʻano a e hoʻoulu i nā haumāna i ka poʻokela.

Windward Community College offers innovative programs in the arts and sciences and opportunities to gain knowledge and understanding of Hawaiʻi and its unique heritage. With a special commitment to support the access and educational needs of Native Hawaiians, we provide the Koʻolau region of Oʻahu and beyond with liberal arts, career and lifelong learning in a supportive and challenging environment — inspiring students to excellence.

ʻĀina

Windward Community College is located in the ahupuaʻa of Kāneʻohe and Heʻeʻia in the moku of Koʻolaupoko on the island of Oʻahu. Both ahupuaʻa are directly connected to the moʻo ʻōlelo of Pāpa and Wākea, who are seen as the ancestors of the Hawaiian nation. The campus sits beneath the puʻu of Keahiakahoe, which is also connected to many moʻo ʻōlelo of this ʻāina. Because wind names and rain names are associated with specific ʻāina, the rain name of Kāneʻohe is known as the ʻĀpuakea and the rain name of Heʻeʻia is the Ulumano.

Instructor Information

About Your Instructor

I was born and raised on the Windward side of Oʻahu and currently live in Kāneʻohe. I received my AA degree in Liberal Arts from WCC and earned both my BA and MA in Mathematics from UH Mānoa. I have been teaching math at WCC since 2008.

How to Contact Your Instructor

Instructor: Jody-Lynn Storm

Office Phone: (808) 236-9277

Office: Hale Manaʻopono 105A , WinCC Campus

Office Hours: Tuesday 12:00 - 1:00 pm via Zoom

Email: jstorm@hawaii.edu (email through Lamakū is preferred)

ZOOM: https://hawaii.zoom.us/j/4083964886L

Response time: I work Monday through Friday 8:00 am – 5:00 pm, excluding weekends and holidays. I generally respond to email and Q&A within 24 hours.

Asking Course Questions

Please use course Q&A in Lamakū Discussions for all general course questions about content, activities, due dates, how work will be graded, etc. I will check Q&A once daily and provide follow-up information there.

Email specific grading questions and/or personal matters, per FERPA, to keep your information protected. Please use Lamakū Email instead of UH Gmail or other email.

While Lamakū has an Instant Message feature, I prefer email. Please feel free to use Instant Message to communicate with your classmates if you like.

Alternate Contact Information

If you are unable to contact the instructor, have questions that your instructor cannot answer, or for any other issues, please contact the Academic Affairs Office:

- Location: Alakaʻi 121
- Phone: (808) 235-7422

Contingency Plan

If there is an outage, weather situation, or family emergency on my end, I will do my best to find a way to communicate an update as soon as possible about my return to the course. Mahalo in advance for your understanding and I hope you will do the same.

Course Format & Structure

This class is offered as an accelerated 8-week course. This class is an asynchronous online course. There are no scheduled meeting times and all interactions will be online through Lamakū. However, this is not a self-paced course; our course schedule is provided in this syllabus.

Regular Substantive Interaction (RSI)

Online courses at Windward Community College follow the college's RSI Definition for ensuring quality instruction. You can expect me to communicate with you frequently (and in a timely fashion) about our coursework in the following ways during our 8-week course:

There are several ways to communicate in this course:

- **Email:** Email through Lamakū is preferred. My normal work hours are Monday through Friday, 9:00 AM to 5:00 PM. I will respond within 24 hours, excluding weekends and holidays.
- **Voicemail:** You may leave a voicemail on my office phone.
- **Zoom Office Hours:** Drop-in Zoom office hours every Tuesday 12:00 - 1:00 pm. No appointment necessary. If you would like to meet at a different time, email me to schedule an appointment.
- **Q & A Lamakū Discussion Board:** You may post general questions about the course, homework, etc., to the Q & A forum. This is a public space where both students and the instructor can respond. Note: For private communication, please use email.

I will also reach out to you regularly with course updates:

- **Announcements:** Posted every Monday and Friday with general information and reminders about due dates.
- **Modules & Assignments:** Posted at least two weeks in advance of deadlines. Students are free to work ahead.
- **Grades:**
    - Posted in in the Lamakū Gradebook
    - MLM homework - Updated every Monday
    - Forums - Updated every Monday
    - Quizzes - Updated within a week after the due date. Feedback provided in the quiz assignment link and the gradebook.
    - Final exam - Updated Saturday, May 9. Feedback provided in the Final Exam assignment link and the gradebook.
    - Extra credit – Updated within a week after the due date
- **Discussion Participation:** Weekly discussion topics will be available every Friday. I check them daily and will occasionally join the conversation and respond to a few posts.
- **Videos**: I provide weekly videos & notes for each course topic.

All course activity due dates are listed in the Lamakū modules. Reminder announcements are sent out weekly. Please check your UH email often and set your Lamakū Notifications (both email and D2L Brightspace Pulse App) to receive course announcements.

Participation Verification

Campuses are required by federal regulations to verify the participation of students in their classes. In accordance with Executive Policy 7.209, all students in the University of Hawai'i system are required to establish "participation" to ensure that they are not dropped from their class(es). Effective Fall 2021, students who fail to participate by the late registration period for a class will be administratively dropped from that class. Students may also be dropped from dependent prerequisite and/or corequisite classes if both courses do not establish participation.

Note: To meet participation verification for this course students must register for MLM via the VitalSource link in Lamakū by Wednesday, March 11.

Course Information

Catalog Description

Math 244 is the fourth course in the calculus sequence. Topics include multiple integrals, line integrals, Green's Theorem, surface integrals, Stokes' Theorem, Gauss' Theorem and differential equations. (3 hours lecture)

Pre-Requisite(s): Grade of "C" or better in MATH 231 or MATH 243 or equivalent or consent of instructor.

Student Learning Outcomes

As a result of taking this course, students can expect to attain the following outcomes:

1. Compute multiple integrals in various coordinate systems.
2. Use multiple integrals or vector calculus techniques to solve applied problems.
3. Utilize precise mathematical language and symbols to effectively communicate mathematics in written and/or oral form.

Course Content

- Multiple Integration
    - Double Integrals over Rectangular Regions
    - Double Integrals over General Regions
    - Double Integrals in Polar Coordinates
    - Triple Integrals
    - Triple Integrals in Cylindrical and Spherical Coordinates
    - Integrals for Mass Calculations
- Vector Calculus
    - Vector Fields
    - Line Integrals
    - Conservative Vector Fields
    - Green's Theorem
    - Divergence and Curl

- Surface Integrals
- Stoke's Theorem
- Divergence Theorem

Course Materials

Required

- MyLab Math (MLM) Online Program via IDAP

The MyLab Math (MLM) Online Program. MLM comes with the eBook Calculus 3rd ed., by Briggs. MLM registration will be through IDAP via the VitalSource link in Lamakū.

> *"This course will be participating in the Bookstore's Interactive Digital Access Program (IDAP). Through this program, you will access your course material digitally, and it will be available to you by the first day of class.*
>
> *A charge for the digital course material through IDAP will be added to your MyUH account.*
>
> *You have the option to opt-out of receiving your course material through IDAP. By opting-out, you will lose access to the course material and the charge will be refunded on your MyUH account. If you do not opt-out, the charge will stay on your MyUH account. Any unpaid charges on your MyUH account will turn into a hold. Holds on your account will prevent you from accessing various services within the University.*
>
> *You may opt-out by visiting your unique Inclusive Access Student Portal, which can be found in your IDAP welcome email (Subject Line: "IMPORTANT: You have enrolled in an IDAP Course").*
>
> *For more information regarding IDAP, please contact your campus bookstore."*

Recommended

- A graphing calculator, hand-held or online (i.e., Desmos)
- D2L Brightspace Pulse App (free download from app stores)

Lamakū Learning Management System (https://lamaku.hawaii.edu/d2l/home)

Learn about the Hawaiian meaning of the word "lamakū": Lamakū Pronunciation, Meaning, and Importance.

- UHCC Lamakū Student Resources (how-to videos)
  - Contact UH ITS for 24/7 Lamakū assistance.
- Keeping Accessibility and UDL in Mind
  - If you find any course content that needs remediation and/or updating, please kindly share and I will immediately work to make the content accessible.
- Lamakū courses will appear 5 days before the first day for the academic term and will become inactive (no longer be available to access) 3 weeks after the end of the term. Be sure to save any coursework you may need from Lamakū during the term.
- Lamakū automatically logs you out if it does not detect activity for three hours. A warning message will appear, notifying you of the lack of activity. Activity is defined as clicking a

button in Lamakū, such as "Save Draft" or "Next" (in a test), clicking on a course tab, or taking an action that sends information to the server.

Other Technology

D2L Brightspace, the parent company of Lamakū, recommends users choose the latest versions of Google Chrome, Mozilla Firefox, Microsoft Edge, or Apple Safari as their internet browser.

We recommend that students update their internet browser at the start of each term, search how to allow pop-up windows, adjust their cookies, and clear device history. Also, fully restart your computer and/or device from time-to-time to optimize performance.

Review the privacy/security policies before using the technologies we might be using in this class. Contact me if you would like to discuss the use of alternate options or technologies.

- Adobe Reader is used to read course files (accessibility statement, privacy policy)
- MyLab Math (MLM) via the VitalSource link in Lamakū (accessibility statement, privacy policy)
- ChatGPT is an AI tool (privacy policy)
- Google Gemini is an AI chatbot (accessibility statement, privacy policy).
- YouTube is used for delivering some of the course content (accessibility statement, privacy policy)
- Zoom is used for the Synchronous Sessions and virtual office (accessibility statement, privacy policy)

Grading Policy

This is an online class and students are expected to keep pace with module assignments. Students are required to complete assignments by the posted deadlines, and interact with the instructor and other members of this online class with professionalism. This is an 8-week accelerated course. It is vital to keep up with the material. Thus, there will be no make-up work or extensions of due dates.

Grades for the course are posted in the Lamakū gradebook. Grades are based on the following:

Grading Scale

Course Activity	Points	Total
4 Quizzes	50 pts each	200
1 Final Exam	100 pts	100
15 MLM Homework Assignments	10 pts each	150
7 Forum (Discussion) Posts	5 pts each	35
Total Points		485

Assessment, Tasks, and Grading

Each letter grade for the course will be assigned according to the level of achievement as provided in the table below:

Letter Grade	Definition
A	90% - 100% of the cumulative points possible
B	80% - 89% of the cumulative points possible
C	70% - 79% of the cumulative points possible
D	60% - 69% of the cumulative points possible
F	Less than 60% of the cumulative points possible
CR	70% or above of the cumulative points possible
NC	Less than 70% of the cumulative points possible
W	Official Withdrawal

Note: CR/NC grades require written instructor consent. Students must apply for CR/NC grading option at the Admissions Office by the posted deadline.

Note: The W grade is given only when the student officially withdraws from the course by the posted deadline.

Exams & Quizzes

- There are 6 computer-based quizzes due on Fridays. Each quiz is worth 50 points. The 2 lowest quiz scores will be dropped.
- There is one cumulative computer-based final exam due the last Friday of the term.
- The quizzes & final exam are timed, but not proctored and can be taken on any computer or device that runs MLM.
- For each quiz and exam, show work on paper or a tablet. Work will be uploaded to Lamakū. There is a 50%-point deduction for quizzes and exams submitted with no work.

MyLab Math (MLM) Homework

There are 15 computer-based homework assignments at 10 points each. Homework is due Fridays by 11:59 pm. There will be a 1% deduction per day for problems submitted after the due date. Final submission for late homework is the last Wednesday of the term.

Forum Posts

There will be 7 posts, usually due on Fridays. Each post is worth 5 points.

Extra Credit

- Each quiz review is worth up to 5 points of extra credit.
- The final exam review is worth up to 5 points of extra credit.
- The end of semester student survey (CES) is worth 5 points of extra credit.

Course Schedule

Students may check the Windward Student Notifications page on the website for canceled classes and/or school closures.

Important Dates

3/10/2026 – Last day to register & and drop with 100% refund of tuition.
3/23/2026 – Last day to withdraw without a “W” grade and to receive 50% refund of tuition
4/13/2026 – Last day to withdraw with a "W" grade or to choose CR/NC grade option.

WEEK	DATES (Mon-Fri)	ASSIGNMENTS (Due by Friday unless stated otherwise)
1	3/9 - 3/13	• IDAP (MLM) Registration - Due Wednesday (satisfies student participation verification) • MLM: My Lab Tutorial (optional), 16.1, 16.2
2	3/16 - 3/20	SPRING BREAK - Nothing Due
3	3/23 - 3/27	• MLM: 16.3, 16.4 • Forum #1 • MLM: Quiz 1 Review (optional -extra credit) • MLM: Quiz 1 • Upload Quiz 1 work
4	3/30 - 4/3	• MLM: 16.5, 16.6 • Forum #2 • MLM: Quiz 2 Review (optional -extra credit) • MLM: Quiz 2 • Upload Quiz 2 work
5	4/6 - 4/10	• MLM: 16.7, 17.1 • Forum #3 • MLM: Quiz 3 Review (optional -extra credit) • MLM: Quiz 3 • Upload Quiz 3 work
6	4/13 - 4/17	• MLM: 17.2, 17.3 • Forum #4 • MLM: Quiz 4 Review (optional -extra credit) • MLM: Quiz • Upload Quiz 4 work
7	4/20 - 4/24	• MLM: 17.4, 17.5 • Forum #5 • MLM: Quiz 5 Review (optional -extra credit) • MLM: Quiz 5 • Upload Quiz 5 work
8	4/27 - 5/1	• MLM: 17.6, 17.7 • Forum #6 • MLM: Quiz 6 Review (optional -extra credit) • MLM: Quiz 6 • Upload Quiz 6 work
9	5/4 - 5/8	• MLM: 17.8 – Due Wednesday • Late MLM Homework – Due Wednesday • Forum #7 – Due Thursday • Final Exam Review (optional – extra credit) – Due Thursday • Final Exam – Due Friday • Upload Final Exam work – Due Friday • CES Survey (optional – extra credit) – Due Friday

Academic Integrity

Work submitted by a student must be the student's own work. However, students are free to work with each other or use AI and other resources on MLM homework assignments. Students are not allowed to collaborate with each other or use AI on quizzes or exams.

In this class, students who commit academic dishonesty, cheating, or plagiarism will have the following consequence(s):

- Students will receive a failing grade for plagiarized assignments.
- All cases of academic dishonesty are referred to the Vice Chancellor for Student Affairs.

Windward CC Student Conduct Information
UH System Student Conduct Policy EO 7.208

Student Kuleana

- Please review our Hawai'i-Style Netiquette, which blends the values of ALOHA with approaches to how we should consider treating each other online.
- Windward CC has Grievance Procedures in place, but I encourage us to try to work together first to see if we can work through any troubles. Mahalo!

Academic and Technical Support

Academic Support

- Windward Community College Library
- Library eResources
- Library Research Units (LRUs)
- Ka Piko Tutoring Services: Math Lab, Speech Lab, Writing Lab, 'Ōlelo Hawai'i Lab
- Online Learning at Windward Community College
- STAR Balance

Technical Support

- UH ITS Help Desk: email help@hawaii.edu or call (808) 956-8883 (or 1-800-558-2669) for Lamakū and most technology support. Available 24 hours a day, 7 days a week, including holidays.
- Student Tech Support: email winhelp@hawaii.edu, call (808) 235-7437, or stop by in person at Hale La'akea 228. Available Monday–Friday from 8:00 am–4:00 pm.
- Lamakū: Click on the Lamakū Help link in the menu bar at the top of the Lamakū homepage to fill out and submit a question and get your answer via email.
- Information Security for Students

College Policies & Support Services

Basic Needs

Basic needs include food and housing, childcare, mental health, financial resources, and transportation. Student basic needs security is critical for ensuring strong academic performance, persistence and graduation, and overall student well-being. If you or someone you know is experiencing basic needs insecurity, please see the UH System Basic Needs.

Disabilities Accommodations Statement

Windward Community College's Disability Student Services Office (WCC-DSSO) is committed to providing equal access to qualified students with disabilities.

If you have a physical, sensory, health, cognitive, or mental health disability that could limit your ability to participate fully in this class, you are encouraged to contact the Disability Specialist Counselor, Roy Inouye, to discuss reasonable accommodations that will help you succeed in this class. The Disabilities Counselor can be reached at (808) 235-7448, wccdsso@hawaii.edu, or stop by the office (Hale Kakoʻo 106) for more information.

Financial Aid

If you are receiving financial aid and are contemplating not completing the course it is highly recommended that you contact the Financial Aid Office at (808) 934-2712 or email them at wccfao@hawaii.edu BEFORE you withdraw to discuss the impact this decision may have on your financial aid eligibility.

LGBTQ+

The University of Hawaiʻi system and Windward Community College are committed to building an inclusive community that supports and advocates for all students, staff, and faculty. We welcome all members of our campus community to our campuses: transgender, māhū, and people of all gender identities. All members of our campus community deserve a work and educational environment free from harassment or bullying based on their sexual orientation, gender identity, or expression. For more information, see the University of Hawaiʻi Commission on LGBTQ+ Equality. Windward Community College Commissioner: Scott Sutherland, scottjks@hawaii.edu

Mental Health Counseling

Mental Health and Wellness at Windward Community College provides counseling services and activities on campus to support students' life goals as well as their academic goals. Information about services can be found at WCC Mental Health & Wellness.

Student Conduct Code

Windward Community College follows the University of Hawaiʻi Code of Student Conduct which defines expected conduct for students and specifies those acts subject to University sanctions. Students should familiarize themselves with the Code of Student Conduct since, upon enrollment at Windward Community College, they have placed themselves under the policies and regulations of the University and its duly constituted bodies. The disciplinary authority is

exercised through the Office of the Vice Chancellor for Student Affairs. Copies of the Student Conduct Code are available at the Office of the Vice Chancellor for Student Affairs.

TRiO Program

The Federal TRiO Programs are educational opportunity outreach programs designed to motivate and support students from disadvantaged backgrounds. TRiO includes six outreach and support programs targeted to serve and assist low-income, first-generation college students and students with disabilities in progressing through the academic pipeline from middle school to post-baccalaureate programs. Information about services can be found at Windward CC TRiO.

Title IX - Sex Discrimination And Gender-Based Violence Resources

Windward Community College is committed to providing a learning, working, and living environment that promotes personal integrity, civility, and mutual respect and is free of all forms of sex discrimination and gender-based violence, including sexual assault, sexual harassment, gender-based harassment, domestic violence, dating violence, and stalking.

If you or someone you know is experiencing any of these, WCC has staff and resources to support and assist you. To report an incident of sex discrimination or gender-based violence, as well as receive information and support, please contact one of the following:

Desrae Kahale, UH System Confidential Advocate
Phone: (808) 235-7393
Email: advocate@hawaii.edu
Office: Hale Kākoʻo 101

Desrae Kahale, Mental Health Counselor & Confidential Resource
Phone: (808) 235-7393
Email: dkahale3@hawaii.edu
Office: Hale Kākoʻo 101

Mykie E. Menor Ozoa-Aglugub, J.D., Title IX Coordinator
Phone: (808) 235-7468
Email: mozoa@hawaii.edu
Office: Hale Kākoʻo 109

Karen Cho, Deputy Title IX Coordinator
Phone: (808) 235-7404
Email: kcho@hawaii.edu
Office: Hale ʻAlakaʻi 120

As a member of the University faculty, I am required to immediately report any incident of sex discrimination or gender-based violence to the campus Title IX Coordinator. Although the Title IX Coordinator and I cannot guarantee confidentiality, you will still have options about how your case will be handled. My goal is to make sure you are aware of the range of options available to you and have access to the resources and support you need.

For more information regarding sex discrimination and gender-based violence, refer to the University's Title IX resources, and the University's Policy, EP 1.204.

UH Alerts

The UH Alert emergency notification system alerts the university community in the event of a natural, health or civil emergency. The information you provide will only be used in the event of an emergency that impacts the health and safety of the UH community or the closure of whole campuses. It will not be shared with others or used for routine UH communications or announcements. To sign up, visit UH Alerts for more information.