UNIVERSITY of HAWAI'I
WINDWARD COMMUNITY COLLEGE
Ke Kulanui Kaiāulu o ke Koʻolau

Math 241 (Calculus I) Course Syllabus

(Credits: 4 / CRN#: 92167 / Mode: Online - Asynchronous / Fall 2026)

Important Websites: https://lamaku.hawaii.edu & www.MyMathLab.com

Windward Community College (WCC) Mission Statement

Windward Community College offers innovative programs in the arts and sciences and opportunities to gain knowledge and understanding of Hawai'i 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. [Hawaiian Translation]

Instructor Information

How to Contact Your Instructor

Professor: *Navtej (Johnny) Singh* || Office Location: *Manaopono 103A*
E-Mail: *navtej@hawaii.edu* << *This is the best way to get in touch. Provide name & class information*>>
Zoom Video Link: https://hawaii.zoom.us/j/2025344398 <<Meeting ID: 202 534 4398 >>
Zoom Meeting: Wednesday 10am – 12pm *& by appointment*
Office Telephone #: *(808) 236 – 9278 << If I don't answer leave a message with contact information* >>

About Me

I have been teaching Math in the UH system since 2002. My undergraduate and postgraduate degrees are in mathematics from CSUF with minor in Computer Science and Physics. To roundup my STEM field, I obtained a post graduate degree in Electrical Engineering from UH Manoa. Furthermore, I conducted research at Lawrence Berkeley National Laboratory on Applications of Bayesian Data Analysis. Outside of work, I love spending time with my family, traveling, and being active (hiking, surfing, basketball).

Communication

Online courses at WCC follow the Communication & Regular Substantive Interaction (RSI) guidelines for ensuring quality instruction. The following methods will be used to communicate:

- E-mail will be our primarily mode of communication (make sure to check your UH email frequently). I will do my best to response to your emails within 24 hours on instructional days (perhaps much sooner). This is an effective method of communication if you expect a short response.
- You can also connect with me via Zoom Video (using the ID 202 534 4398) during my dedicated office hours or schedule an appointment during different that can work both of us.
- You can also connect with me via my office phone (808) 236 – 9278 during my office hours or leave a voice message for me to return your call.
- Online Lamaku discussion board can also be used to interact with classmates by asking homework questions and discussing posted problems and solutions.

Course Information

Course Description
Basic mathematical concepts, topics in differentiation, and introductory integration of algebraic and trigonometric functions. Applications of differentiation and integration will be demonstrated. Pre-Requisite(s): Grade of C or better in MATH 140 or equivalent, satisfactory math placement score, or consent of instructor.

Course Format
The course is delivered fully online with no required real-time meetings and students engage with content independently as written out on the schedule. Students can reach out to instructor when need. Students can also virtually interact with each other via discussion board in Lamakū.

Student Learning Outcomes (SLOs)
Upon completion of the course, the student will be able to:

- Demonstrate proficiency in determining limits, derivatives, and integrals.
- Use calculus techniques to analyze and solve applied problems.
- Utilize precise mathematical language and symbols to effectively communicate mathematics in written and/or oral form.

All SLOs assessment are embedded in class activities, homework, quizzes, or exams.

Learning Resources and Materials

This course is participating in the Bookstore's Interactive Digital Access Program (IDAP). Through this program, via Lamaku, 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. For reference we are using "Calculus" (3rd ed) by Briggs for this class. I recommend that you have a graphing calculator utility to help you with homework. A free graphing utility is available at https://www.desmos.com. In addition, there are various graphing applications available for use on smartphones and tablets. If you are planning to buy a stand along graphing calculator TI 83/84 (regular or plus) is recommended. Reliable computer with access to broadband internet is required for this course. Note that students may be able to borrow a graphing calculator and a computer for the semester among other things from Windward Community College Library. The library also provides AI Essentials Guide guidance for students.

Tasks and Grading

Point Distribution		
Consultations	Two Meetings @ 10 points each	020 pts
Homework	27 Assignments on MML @ 10 points each	270 pts
Portfolio	Written Work for HW + Final Review	060 pts
Unit Exams	Four @ 75 points each	300 pts
Final Exam	Comprehensive	200 pts
Total Points		850 pts

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

Students must apply for CR/NC grading option at the Admissions Office by the posted deadline. If a student does not apply for CR/NC grading option at the Admissions Office by the required deadline and if s/he does not withdraw, a letter grade (A, B, C, D, F, N) will be assigned for the course. The W grade is given only when the student officially withdraws from the course by the posted deadline. The "I" grade is a temporary grade given at the instructor's option when a student has failed to complete a small part of a course because of circumstances beyond his or her control. The "I" grade is given by student request and must be approved by the instructor. Students can use MyMathLab gradebook to see current grades based on submitted work; unattempted or past due date assignments are excluded until end of the term.

Homework

There are 27 homework assignments in this course available via MyMathLab.com due by the date indicated on the schedule page of this syllabus. On average student are expected to complete about two homework assignments per week. You may attempt a homework problem as many times as needed, till you get it right. You may continue to work on the homework after the due date; however, there will be a 1% penalty per day on the any portion of the homework done after the due date. While this may not be much for a day or two late submissions, it will add up to a high percentage over longer period. Refer to the schedule page for the absolute last day to work on the homework assignments. To receive help on the homework, students are welcome to reach out to me during dedicated office hours or make an appointment for consultation.

Portfolio

Since MyMathLab only requires you to enter the answers, it is important that you understand the correct process leading to the final answer. Therefore, I am asking you to show your work for each homework problem on a separate sheet of paper that will be part of your portfolio. In addition, your portfolio should include written work for the final exam review. To earn portfolio points, simply scan your written work for each homework as pdf file (one file per homework) and upload it to designated folder at Lamaku. Make sure uploaded files are clearly labeled with correct assignment name and number. Note that your portfolio work will be graded based on neatness, completion, and organization at the end of the term.

Exams

There will be four scheduled unit exams and a comprehensive final exam for this course. Best way to prepare for the exams is to study related homework and provided practice exams (or review sheets). For exam dates, refer to the last page of this syllabus. Make-up for any missed exams is not allowed after the due date. However, I will replace your lowest unit exam with your final exam percentage if the final exam percentage is higher than the lowest unit exam. Note that all exams are conducted via mymathlab.com. Students will be required to show work for select exam problems on a separate sheet of paper and upload it to designated folder at Lamaku within given time. Some or all exams (including the final) may need to be taken in the proctored environment. Instructor will share additional information about each exam via email at least a week prior to exam dates.

Consultations

There are two required consultations in this class worth 10 points each that can be conducted via connecting through zoom video with me during dedicated office hours or scheduling a meeting at convenient time.

- 1st Consultation: Your participation in class orientation will count as your first consolation. During the orientation, I will go over the course syllabus and answer any questions or concerns students may have about this class. Instructor will post an announcement at lamaku providing detail regarding orientation.
- 2nd Consultation: To get credit for second consultation, students meet with the instructor via zoom individually before the last day to drop the class without W (see the schedule page for this date). This general-purpose consultation will be used to answer your questions, review your submitted homework, and discuss ways to improve grades among other things.

Note that the purpose of these consolations is for me to connect with each student at least couple of times during the term. I encourage you to reach out to me for help as often as needed.

Basic Rubrics for Grading Multistep Problems

- **Full Credit:** Demonstrates complete understanding, uses correct algorithms with proper notation, and provides a clear, thorough, well-organized explanation.
- **Partial Credit**: Shows general understanding with mostly correct algorithms, minor errors, and a somewhat organized explanation using mostly relevant information.
- **Very Little Credit:** Shows limited understanding, major algorithm errors, minimal relevant information, and a weak or unclear explanation of the solution process.
- **No Credit:** Shows no understanding, provides no relevant information or valid process, and fails to explain key parts of the problem.

Getting Help

In addition to reaching out to me for help (via zoom using the ID 2025344398 or google meet using the ID navtej@hawaii.edu), you may also utilize the following websites resources:

- Ka Piko Center - Provides online tutoring via WCC Math Lab
- http://manoa.hawaii.edu/ola - Provides free live interactive tutoring during weekdays
- http://www.hawaii.edu/tutor – Provides free 24/7 online tutoring using your UH username & password.
- http://www.khanacademy.org – Provides small lecture videos on selected topics
- https://www.wolframalpha.com – Provides computational tools, facts, and examples.
- Lecture Videos - Provides complete lecture videos on topics in Calculus I by Professor Leonard.

Important Information

Please check your @hawaii.edu e-mail account frequently for important announcements. Note this syllabus is subject to change in extenuating circumstances. All online homework assignments are due by midnight of the deadline date. All due dates for homework assignments and exams are listed on the schedule below. If you need to discuss your performance, I recommend you get in touch with me as soon as possible. E-mail is the preferred method of communication. Instructor will inform you of any additional opportunity such as extra credit when or if they become available. For important academic information refer to WCC website www.windward.hawaii.edu or go to www.hawaii.edu for system wide information. Plagiarism, or copying and use of another's work without proper acknowledgment, is not permitted and may result in failing grade for the course. In the event instructor cannot be reached, you may contact the Academic Affairs Office at (808) 235-7422 or email wccaa@hawaii.edu.

Academic Integrity

Students are encouraged to utilize Artificial Intelligent (AI) tools to explore concepts taught through MLM homework assignments in this class (UH Executive Policy 2.220 Artificial Intelligence). However, students are not allowed to collaborate with each other or use AI tools on quizzes or exams. In this class, students who commit academic dishonesty, cheating, or plagiarism 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)

Foundations Quantitative Reasoning Hallmarks

Math 241 also fulfills 3 credits of the General Education requirements for both an A.A. degree at WCC and a Bachelor's degree at 4 year UH institutions. Consequently, it meets the hallmarks of the quantitative reasoning requirement. This course will:

1. provide students with theoretical justifications for, and limitations of, mathematical or statistical methods, and the formulas, tools, or approaches used in the course.
2. include application of abstract or theoretical ideas and information to the solution of practical quantitative reasoning problems arising in pure and applied research in specific disciplines, professional settings, and/or daily and civic life.
3. provide opportunities for practice and feedback that are designed to help students evaluate and improve quantitative reasoning skills by including a course component at least once per week with a maximum 30:1 student-to-teacher ratio.
4. be designed so that students will be able to
    a. identify and convert relevant quantitative information into various forms such as equations, graphs, diagrams, tables, and/or words;
    b. select appropriate techniques or formulas, and articulate and evaluate assumptions of the selected approaches;
    c. apply mathematical tools and perform calculations (including correct manipulation of formulas);
    d. make judgments, create logical arguments, and/or draw appropriate conclusions based on the quantitative analysis of data, the assumptions made, the limitations of the analysis, and/or the reasonableness of results; and
    e. effectively communicate those results in a variety of appropriate formats.

Title IX

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:

UH Confidential Advocate Phone: (808) 348-0663 Email: advocate@hawaii.edu	Desrae Kahale, Mental Health Counselor & Confidential Resource Phone: (808) 235-7393 Email: dkahale3@hawaii.edu	Mychal Ozoa-Aglugub, Title IX Coordinator Phone: (808) 235-7468 Email: mozoa@hawaii.edu

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, the University's Title IX resources and the University's Policy, Interim EP 1.204, go to manoa.hawaii.edu/titleix/

Disabilities Accommodation

The WCC Disability Student Services Office 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 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 Hale Kako'o 106 for more information.

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). 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. *To complete this requirement, a student must sign up for MyMathLab.com and complete the first assignment by the indicated date on the schedule.*

Student's Responsibilities

Responsible students take ownership of their actions by exhibiting the following behaviors:

- Take an active role in learning and set aside adequate time for doing assignments
- Maintain a positive and inquiry attitude towards learning.
- Complete assignments by the designated dates with attention to quality of work.
- Actively communicate with instructor and seek immediate help when needed.
- Be proactive and do not procrastinate since new concepts are built on previously learned material.

Math 241 Fall 2026 Schedule for Assignments and Exams

Week	Dates (M-F)	Homework Assignments (All HWs are Due by Midnight of the Assigned Date)
1	8/24 – 8/28	HW #01 - Section 2.2 (Due on Wednesday, 8/26)
		HW #02 - Section 2.3 (Due on Saturday, 8/29)
2	8/31 – 9/4	HW #03 - Section 2.4 (Due on Wednesday, 9/2)
		HW #04 - Section 2.5 (Due on Saturday, 9/5)
3*	9/7 – 9/11	HW #05 - Section 2.6 (Due on Wednesday, 9/9)
		HW #06 - Section 3.1 (Due on Saturday, 9/12)
4^	9/14 – 9/18	HW #07 - Section 3.2 (Due on Wednesday, 9/16)
		Exam 1(up to section 3.2) – Must complete by Saturday September 19th
5	9/21 – 9/25	HW #08 - Section 3.3 (Due on Wednesday, 9/23)
		HW #09 - Section 3.4 (Due on Saturday, 9/26)
6	9/28 – 10/2	HW #10 - Section 3.5 (Due on Wednesday, 9/30)
		HW #11 - Section 3.6 (Due on Saturday, 10/3)
7*	10/5 – 10/9	HW #12 - Section 3.7 (Due on Wednesday, 10/7)
		HW #13 - Section 3.8 (Due on Saturday, 10/10)
8	10/12 – 10/16	HW #14 - Section 3.9 (Due on Wednesday, 10/14)
		Exam 2 (From Section 3.3 to 3.9) – Must Complete by Saturday October 17th
9	10/19 – 10/23	HW #15 - Section 4.1 (Due on Wednesday, 10/21)
		HW #16 - Section 4.2 (Due on Saturday, 10/24)
10	10/26 – 10/30	HW #17 - Section 4.3 (Due on Wednesday, 10/28)
		HW #18 - Section 4.4 (Due on Saturday, 10/31)
11	11/2 – 11/6	HW #19 - Section 4.5 (Due on Wednesday 11/4)
		HW #20 - Section 4.7 (Due on Saturday, 11/7)
12*	11/9 – 11/13	Exam 3 (On Chapter 4) - Must Complete by Thursday November 12th
		HW #21 - Section 4.9 (Due on Saturday, 11/14)
13	11/16 – 11/20	HW #22- Section 5.2 (Due on Wednesday, 11/18)
		HW #23 - Section 5.3 (Due on Saturday, 11/21)
14*	11/23 – 11/27	HW #24- Section 5.4 (Due on Wednesday, 11/25)
		HW #25 - Section 5.5 (Due on Saturday, 11/28)
15	11/30 – 12/4	HW #26- Section 6.1 (Due on Wednesday, 12/2)
		HW #27 - Section 6.2 (Due on Saturday, 12/5)
16	12/7 – 12/11	Exam 4 (From Section 4.9 to 6.2) - Must Complete by Wednesday December 9th
		Sunday, December 11th is the last day to submit any late work
17	12/14 – 12/18	Final Exam (MML Computer Based) Available on Dec 14th & Must complete by Dec 17th
Note that while there is no homework assignment for sections 2.1, 2.7, 4.6, 5.1, 6.3, 6.4, and 6.5, students are encouraged to read through these sections to understand the basic concepts.		

^Drop Dates: September 15, 2026 – Last day to withdraw without a W grade

*Holidays: September 7, 2026 – Labor Day
November 11, 2026 – Veterans' Day
November 26-27, 2026 – Thanksgiving Break