



MATH 135 -PRECALCULUS: ELEMENTARY FUNCTIONS

3 Credits (CRN 63392)

Wednesdays 11:30am – 12:45pm in Hale Mana’opono 101

INSTRUCTOR: Jody-Lynn Storm
OFFICE: Hale Mana’opono 105A, Windward Community College
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EMAIL: jstorm@hawaii.edu
OFFICE HOURS: Wednesdays 1-2pm
EFFECTIVE DATE: Fall 2022

WINDWARD COMMUNITY COLLEGE 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 Ko’olau region of O’ahu and beyond with liberal arts, career and lifelong learning in a supportive and challenging environment — inspiring students to excellence.

CATALOG DESCRIPTION

Investigates linear, quadratic, polynomial, rational, exponential, logarithmic functions, and related topics. This course is the first part of the precalculus sequence.

Pre-requisites: Grade of “C” or better in MATH 103 or equivalent, satisfactory math placement test score, or consent of instructor.

STUDENT LEARNING OUTCOMES

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

1. Use appropriate symbolic techniques to analyze and solve applications problems.
2. Utilize elementary function concepts.
3. Graph elementary functions utilizing behavior information and/or transformations.
4. Utilize precise mathematical language and symbols to effectively communicate mathematics in written and/or oral form.

FOUNDATIONS QUALITATIVE (FQ) REASONING HALLMARKS

Math 135 fulfills 3 credits of the General Education requirements (Foundations: Quantitative) for both an A.A. degree at WCC and a Bachelor’s degree at 4 year UH institutions. Consequently, it meets the following hallmarks:

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 student 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.
 - e. effectively communicate those results in a variety of formats.

COURSE TASKS & GRADING

Grades for the course are recorded in the Lulima Gradebook and are based on the following:

Assignment	Points	Total
Unit Exams (2)	100 points each	200
Final Exam (1)	100 points	100
Homework (35)	5 points each	175
Class Activities		100
Total		575

LEARNING RESOURCES & MATERIALS

Required materials:

The MyLab Math (MLM) Online Program. MLM comes with the eBook *A Graphical Approach to Precalculus with Limits*, 7th Edition, by Hornsby, Lial & Rockswold. MLM registration will be through IDAP via the VitalSource link in Lulima.

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.

Optional Materials

- Scientific or graphing calculator to help with homework. May also use online programs, such as Desmos.

WCC Learning Resources

- Ka Piko Tutoring: <https://windward.hawaii.edu/services-for-students/tutoring/ka-piko/>
- TRIO: <https://windward.hawaii.edu/services-for-students/tutoring/trio-sss/>

Uh System Resources

- OLA (UH online tutoring program): <http://manoa.hawaii.edu/ola/>
- Tutor.com: <https://windward.hawaii.edu/tutor.com/>

Other Online Resources

- Symbolab: <https://www.symbolab.com>
- Wolfram Alpha: <http://www.wolframalpha.com>
- Desmos Calculator: <https://www.desmos.com>
- Khan Academy Videos: <http://www.khanacademy.org>

ADDITIONAL INFORMATION

- **ABSENCES:** If you are absent, you are responsible for any important announcements or assignments given during the class you missed.
- **EXAMS:** There are no retests or make-ups for exams. The final exam is cumulative. If you are unable to attend class on an exam day, it may be possible for you to take the exam earlier than the specified day.

If the score earned on the final exam is higher than your lowest exam score, then your lowest exam score will be replaced with the percent earned on the final exam.

- **HOMEWORK:** Computer-based homework submitted online through the MLM program. Homework is due on Wednesdays by 11:30 am (prior to class). There will be a 1% deduction per day for problems submitted after the due date. Final submission for late homework will be the Sunday before finals.
- **IN-CLASS ACTIVITIES:** In-class worksheets will be turned in for credit. These activities are considered class participation points. You may not make up in-class activities.
- **GRADING:** To receive full credit for problems done on exams and in-class activities, you must show sufficient work in a clear and organized manner. Messy and/or disorganized work will not receive full credit.
- **CELL PHONES & OTHER DEVICES:** Cell phones and other electronic devices should be silenced prior to the start of class.

- **DISRUPTIVE BEHAVIOR:** Do not be disruptive. Please respect your fellow students and act accordingly.

ACADEMIC INTEGRITY

Work submitted by a student must be the student's own work. You are free to work with each other on homework and class activities. However, work on exams must be of your own merit.

All cases of academic dishonesty are referred to the Vice Chancellor for Student Affairs.

WCC Policies: <https://windward.hawaii.edu/Policies/>

DISABILITIES ACCOMMODATIONS

If you have a physical, sensory, health, cognitive, or mental health disability that could limit your ability to fully participate in this class, you are encouraged to contact the Accessibility Counselor to discuss reasonable accommodations that will help you succeed in this class. Jodi Asato can be reached at (808) 235-7448, jodiaka@hawaii.edu, or you may stop by Hale Kāko'o 106 for more information.

SEX DISCRIMINATION AND GENDER-BASED VIOLENCE RESOURCES (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:

Desrae Kahale ***Confidential Resource***

808-235-7393

dkahale3@hawaii.edu

Jojo Miller, ***Confidential Campus Advocate***

808-348-0663

jojo.miller@hawaii.edu

Leslie Cabingabang ***Senior Confidential Advocate***

808-348-0432

leslie.cabingabang@hawaii.edu

To file a report online: <https://report.system.hawaii.edu/student>

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/

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: Alaka'i 121
- Phone: (808) 235-7422

SCHEDULE (Tentative - subject to change)

IMPORTANT DATES	
Aug 30	Last day to register & and drop with 100% refund of tuition
Sep 13	Last day to withdraw without a "W" grade and to receive 50% refund of tuition.
Oct 31	Last day to withdraw with a "W" grade or to choose CR/NC grade option. Last day to make up "I" grade from previous semester

MATH 135 Hybrid – FALL 2022 SCHEDULE		
Week	Dates (Mon – Fri)	Due Wednesday at 11:30am Prior to Class
1	8/22 – 8/26	Nothing – Orientation Day
2	8/29 – 9/2	MLM: R1, R2/R3, R4
3	9/5 – 9/9	MLM: R5, R6, 1.1
4	9/12 – 9/16	MLM: 1.2, 1.3, 1.4
5	9/19 – 9/23	MLM: 1.5, 1.6, 2.1
6	9/26 – 9/30	MLM: 2.2, 2.3
7	10/3 – 10/7	Nothing due - Exam 1 taken in class
8	10/10 – 10/14	MLM: 2.4, 2.5, 2.6
9	10/17 – 10/21	MLM: 3.2, 3.1/3.3, 3.4
10	10/24 – 10/28	MLM: 4.1, 4.2, 4.3
11	10/31 – 11/4	MLM: 4.4, 5.1, 5.2
12	11/7 – 11/11	MLM: 5.3, 5.4

13	11/14 – 11/18	Nothing due - Exam 2 taken in class
14	11/21 – 11/25	MLM: 5.5, 6.1, 6.2
15	11/28 – 12/2	MLM: 6.3, 6.4, 6.5
16	12/5 – 12/9	MLM: 6.6
17	12/12 – 12/16	Final Exam taken in class