



UNIVERSITY of HAWAII
WINDWARD COMMUNITY COLLEGE

Ke Kulanui Kaiāulu o ke Ko'olau

ICS 111 - Introduction to Computer Science

Fall 2024

3 Credits | CRNs 64007 & 64150

Distance Learning

Windward Community College Mission Statement

'O keia ka wā kūpono e ho'onui ai ka 'ike me ka ho'omaopopo i kō Hawai'i mau ho'oilina waiwai. Aia nō ho'i ma ke Kulanui Kaiāulu o ke Ko'olau nā papahana hou o nā 'ike 'akeakamai a me nā hana no'eau. Me ke kuleana ko'iko'i e ho'ohiki ke Kulanui e kāko'o a e ho'okumu i ala e hiki kē kōkua i ka ho'onui 'ike a nā kānaka maoli. Na mākou nō e ho'olako, kāko'o a paipai i nā Ko'olau a kō O'ahu a'e me nā hana no'eau ākea, ka ho'ona'auao 'oihana a me ka ho'onui 'ike ma ke kaiāulu — hō'a'ano a e ho'oulu i nā haumāna i ka po'okela.

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 O'ahu's Ko'olau region and beyond with liberal arts, career and lifelong learning in a supportive and challenging environment — inspiring students to excellence

Instructor Information

How to Contact Your Instructor

Instructor: Laura Sue
Office: Hale Palanakila 119A
Office Hours: By appointment
Telephone: (808) 236-9253
Email: laurasue@hawaii.edu

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

Course Information

Catalog Description

Intended for computer science majors and all others interested in a first course in programming. An overview of the fundamentals of computer science emphasizing problem solving, algorithm development, implementation, and debugging/testing using an object-oriented programming language.

Prerequisites: MATH 103 with a grade of "C" or better, placement into MATH 135, or consent of instructor.

Student Learning Outcomes

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

1. Use an appropriate programming environment to design, code, compile, run, and debug computer programs.
2. Demonstrate basic problem solving skills: analyzing problems, modeling a problem as a system of objects, creating algorithms, and implementing models and algorithms in an object-oriented computing language.
3. Illustrate basic programming concepts such as program flow and syntax of a high-level general purpose language and basic security practices.
4. Demonstrate working with primitive data types, strings, and arrays.

Course Tasks and Student Learning Outcomes Alignment

Student Learning Outcomes	REVEL Assignments	Programming Assignments	Mid-Semester Check	Final Project	Final Exam
Use an appropriate programming environment to design, code, compile, run, and debug computer programs.		x	x	x	
Demonstrate basic problem solving skills: analyzing problems, modeling a problem as a system of objects, creating algorithms, and implementing models and algorithms in an object-oriented computing language.	x	x	x	x	x
Illustrate basic programming concepts such as program flow and syntax of a high-level general purpose language and basic security practices.		x	x	x	x
Demonstrate working with primitive data types, strings, and arrays.	x	x	x	x	x

Course Format

This is a fully online, asynchronous 16-week course. Assignments will be posted in Lualima, and it will be up to the student to decide when, during the open period, to work on the assignments. The course schedule is included in this syllabus as well as in Lualima. Assignments will be due on **Sundays at 11:55 pm**, and some assignments will be open for multiple weeks.

There will be an optional weekly meeting via Zoom, on Thursdays at 1-2:15 pm. All students are welcome to attend these meetings, but it is not required (even for the synchronous section). The weekly Zoom meetings can be accessed via this link: <https://hawaii.zoom.us/j/91240529597> (Passcode: ICS111).

Students will interact with peers and the instructor through extra credit discussions in Lualima, and during the optional weekly Zoom meetings. Students are also welcome to schedule meetings with the instructor at any time throughout the semester.

Course Technology

Laulima Learning Management System

- [Laulima \(Sakai\) Accessibility](#)
- Laulima will be unavailable daily from 3:00 am-4:00 am HST for server backup and maintenance.
- Laulima automatically logs you out *if it does not detect activity for two hours*. A warning message will appear, notifying you of the lack of activity. Activity is defined as clicking a button in Laulima, such as "Save Draft" or "Next" (in a test), clicking on a course tab, or taking an action that sends information to the server.

Regular Substantive Interaction

Online courses at Windward Community College follow these guidelines for ensuring quality instruction: [RSI Definition-WCC](#).

Required Software

You will need to set up your development environment by installing the Java Development Kit and an Integrated Development Environment, like Eclipse:

- Java 22 JDK: <https://www.oracle.com/java/technologies/downloads/>
- Eclipse: <https://eclipseide.org/>

More information about how to install these will be provided in the **Chapter 00 - Programming Assignment (Getting Started)**.

Pearson REVEL

We will be using Pearson REVEL as our digital textbook and to complete assignments in a simulated environment. REVEL can be accessed via a link in our Laulima course. Learn more about Pearson REVEL here: <https://www.pearsonhighered.com/revel/index.html>

Other Technology

The following technologies may be used in this class. Contact the instructor if you would like to discuss the use of alternate options or technologies.

- [Google Slides](#) may be used for sharing presentations ([accessibility statement](#), [privacy policy](#))
- [Zoom](#) will be used for the Thursday class meetings ([accessibility statement](#), [privacy policy](#))

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.

Grading Policy

Assessment Tasks and Grading

All assignments will be due on **Sunday nights at 11:55 pm.**

REVEL Quizzes: We will be using Pearson's REVEL tool (<https://revel.pearson.com>) to access the textbook. REVEL includes videos, animations, quizzes, and programming exercises throughout the text that will create a more engaging and interactive learning experience for students. A nice feature for a programming course like this one is that you can practice writing code and get immediate feedback. This tool will allow you to write snippets of code to try out the concepts you are learning. It can provide you with hints if you don't get the solution quite right. Each chapter will contain a new set of exercises to work on. The number of questions will vary from chapter to chapter. As long as you complete **at least 80%** of all questions correctly, you will get **full credit** for that REVEL assignment. Otherwise, your score in Lualima will be a percentage of the questions you've completed successfully in REVEL. You will have an *unlimited* number of tries for each question, until the due date, to get the correct solution. The REVEL Assignments are worth 2 points each. **Credit will not be given to REVEL Quizzes completed late.**

REVEL Video: For each chapter, you will be assigned one of the VideoNotes videos in REVEL. You will follow along with the video and submit the completed code. These assignments are worth 1 point each. **Credit will not be given to REVEL Video assignments completed late.**

Programming Assignments: For each chapter, there will also be a Programming Assignment. In these assignments, you will write complete programs and submit them to Lualima. These assignments are worth 3 points each. Programming Assignments that are submitted on time may be corrected and resubmitted (for a total of 3 submissions) for full credit after they have been graded. **Programming Assignments will not be graded if the code does not compile or if it is missing the "testing document" (more details and examples provided in the Chapter 01 & 02 Programming Assignment).**

Mid-Semester Check: Halfway through the semester, there will be a Mid-Semester Check worth 10 points. This will be a 10-15 minute one-on-one Zoom session where students will complete tasks in the Java programming language. Students are allowed to redo this assignment (for a total of 3 attempts) for a higher score.

Final Project: The Final Project will be a hands-on assignment, through which the student will demonstrate their understanding of concepts covered throughout the course and ability to create a complete Java program free of syntax errors. The Final Project will be due on **Friday, December 20, 2024 at 11:55 pm**. **Students who do not pass the Final Project with at least a D (60%) will not get higher than a C for their Final Grade for the class.**

Final Exam: The Final Exam will be comprehensive, and will be made up of multiple choice, true/false, fill in the blank, and short answer questions. The Final Exam will be available during Finals Week and will be due on **Friday, December 20, 2024 at 11:55 pm**. **Students who do not pass the Final Exam with at least a D (60%) will not get higher than a C for their Final Grade for the class.**

Late work: Programming Assignments may be submitted up to one week late with an automatic penalty of 10%. **No other assignments will be accepted past the set due date.** Please note that Programming Assignments submitted late are not eligible for correction and resubmission. However, you can still get up to 90% credit by submitting late work, so it is still highly recommended to complete late Programming Assignments. No assignments will be accepted after **Thursday, December 12, 2024**, the last day of instruction for Fall 2024.

Assignment Breakdown

Assignments	Points	Percentage of Total
REVEL Quizzes	26	25%
REVEL Videos	11	10%
Programming Assignments	36	34%
Mid-Semester Check	10	10%
Final Project	12	11%
Final Exam	10	10%
GRAND TOTAL	105	100%

Final grades for the course will be as follows:

- A 90-100% of possible points
- B 80-89.99% of possible points
- C 70-79.99% of possible points
- D 60-69.99% of possible points
- F Less than 60% of possible points

Weekly Assignments

Week	Date	Topic	Due Dates
1	8/26/24	Introduction to ICS 111, Chapter 1 - Introduction to Computers, Programs, and Java	Syllabus Quiz Sun 9/1/2024
2	9/02/24	Chapter 2 - Elementary Programming	
3	9/09/24	Chapter 3 - Selections	Introduction Email Sun 9/15/2024
4	9/16/24	Chapter 4 - Mathematical Functions, Characters, and Strings	
5	9/23/24	Finish up Chapter 1-4 Assignments	Chapters 1 through 4 Sun 9/29/2024
6	9/30/24	Chapter 5 - Loops	
7	10/07/24	Chapter 6 - Methods	
8	10/14/24	Chapter 7 - Single-Dimensional Arrays Chapter 8 - Multidimensional Arrays	
9	10/21/24	Finish up Chapter 5-8 Assignments Mid-Semester Check	Chapters 5 through 8, Mid-Semester Check Sun 10/27/2024
10	10/28/24	Chapter 9 - Objects and Classes	
11	11/04/24	Chapter 10 - Thinking in Objects	
12	11/11/24	Chapter 11 - Inheritance and Polymorphism	

Week	Date	Topic	Due Dates
13	11/18/24	Chapter 12 - Exception Handling and Text I/O	Chapters 9 through 11 Sun 11/24/2024
14	11/25/24	Chapter 13 - Abstract Classes and Interfaces	
15	12/02/24	Final Project	Chapters 12 & 13 Sun 12/8/2024
16	12/09/24	Final Project	
Finals	12/16/24	Final Exam	Final Project & Final Exam Fri 12/20/2024

Academic Integrity

Work submitted by a student must be the student's own work. Academic dishonesty includes, but is not limited to, file sharing (giving or receiving files between students), more than one student working on the same file, and copying work in full or in part from another student or other sources such as the Internet. Any student caught cheating will automatically receive a 0 for the assignment. In addition, a report of the incident will be sent to the Vice Chancellor for Student Affairs. For more information, please see the college catalog for the school's policy on academic dishonesty.

This is a challenging class, and it's ok to ask for help!

Things you **can do** to get help on assignments:

- Email the instructor with questions, include your code (Java files) for Programming Assignments or screenshots for REVEL, whenever possible
- Schedule a phone call or video chat with the instructor
- Schedule tutoring assistance through TRiO or Ka Piko
- Go to Tutor.com for UHCC students to meet with an online tutor

Things you **should not do** to get help on assignments:

- Google your question and copy whatever you find
- Post the assignment question on websites like Chegg.com and wait for an "expert" to solve the problem for you
- Use an AI system, like ChatGPT, to generate the solution for you

[Windward CC Student Conduct Information](#)

[UH System Student Conduct Policy EO 7.208](#)

Additional Information

Business-like behavior: ICS courses at Windward Community College are part of the Business department. In order to fulfill the objectives of the Business department, students are expected to present business-like behavior. Business-like behavior includes:

- **Time-management:** Since this is a distance learning class, it will be up to you to schedule enough time to complete the lessons each week. Don't wait until the last minute to complete assignments. This is true in almost any class, but can be more of a challenge since there are no physical meetings.
- **Online Discussions:** Be courteous in online discussion areas.
- **Turn in assignments on time:** Start assignments well before the due date. If situations arise which prevent assignments from being completed on time, notify the instructor right away.
- **Ask for assistance:** In a business, if you were uncertain about what to do, you would ask your boss for direction. In this class, ask the instructor for assistance.

Office Hours: Since this is a distance learning course, there will be no set office hours. Instead, please feel free to arrange an appointment, either face-to-face or virtual, with the instructor.

Email: Please use your UH email address for this course. Any information regarding the class will be sent to your UH email address, so check your email frequently. Email is also the preferred method of contacting the instructor. The instructor will respond to emails within 24 hours, excluding weekends and holidays.

How to Seek Academic or Technical Support

Academic Support

- [Windward Community College Library](#)
- [Library eResources](#)
- [Ka Piko Writing Lab](#)
- [Ka Piko Speech Lab](#)
- [Ka Piko Math Lab](#)
- [Evening and Online Learning at Windward Community College](#)
- [STAR Balance](#)

Technical Support

- [UH ITS Help Desk](#) – email help@hawaii.edu or call 956-8883 (or 1-800-558-2669) for Laulima 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.
- Laulima – Click on the [Request Assistance](#) link at the bottom of any Laulima Page to fill out and submit a question and get your answer via email.
- [Information Security for Students](#)

College Policies & Support Services

Disabilities Accommodations Statement

The 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 Kako‘o 105) for more information.

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 website](#).

Mental Health Counseling

Mental Health and Wellness at Windward Community College counseling services and activities on campus to support students’ life goals as well as their academic goals. Information about services can be found at the [WCC Mental Health & Wellness website](#).

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 website](#) for more information.

Financial Aid

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

Student Conduct Code

Windward Community College follows the University of Hawai'i 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, the student has placed herself/himself 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 or [online](#).

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:

Leslie Cabingabang, UH System Confidential Advocate
 Phone/Text: (808) 348-0432 or (808) 341-4952
 Email: advocate@hawaii.edu
 Office: Hale Kāko'o 107 (Wednesdays)

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

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

Karen Cho, Deputy Title IX Coordinator
 Phone: (808) 235-7404
 Email: kcho@hawaii.edu
 Office: Hale 'Alaka'i 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, the University's Title IX resources, and the University's Policy, Interim EP 1.204, go to <https://www.hawaii.edu/titleix/>