ICS 141 Course Syllabus - Spring 2026

Discrete Mathematics for Computer Science I

Windward Community College

Instructor: Boris J. Bogaczewicz MBA, MSIS
Email: borisb@hawaii.edu
(Students should expect a response to their email within 24 hours, excluding weekends and holidays)

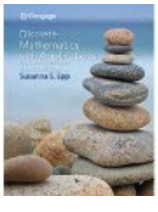
Classroom: WWW
Meeting Time: Continuous
CRN: 63412

Supplemental Materials:
https://courses.vitalsource.com/

Office Hours:
By request, email, phone, text

Office: Online, email
Office Phone: (808)234-8851

Required textbook:



Discrete Mathematics with Applications

by Susanna S. Epp

5th Edition

Course Description:
This class requires logic and theory of sets knowledge, analyzing issues and applying mathematical problem-solving skills to plan courses of action in decision-making situations, as well, solve problems by using basic mathematical formal logic, proofs, recursion, analysis of algorithms, sets, combinatorics, relations, functions, matrices and probability.
This course utilizes online LABS.

Course Objectives:

This course covers logic, sets, functions, matrices, algorithmic concepts, mathematical reasoning, recursion, counting techniques, and probability theory.

Outcomes:

Analyze issues and apply mathematical problem-solving skills to plan courses of action in decision-making situations.

Solve problems by using basic mathematical formal logic, proofs, recursion, analysis of algorithms, sets, combinatorics, relations, functions, matrices and probability.

Grading:

Graded Item	Points Per Item	Total Points
Mid-Term	10	10
Final	10	10
Labs		80
TOTAL		**100**

Range	Class Grade
90 – 100	A
80 – 89	B
70 – 79	C
60 – 69	D
below 60	*F*

Class Schedule:

Week	Topics	Chapter Readings	Exams
1	**Speaking Mathematically**	**Chapter 1**	
2	**Logic of Compound Statements**	**Chapter 2**	
3	**Logic of Quantified Statments**	**Chapter 3**	
4	**Elementary Number Theory and Proof**	**Chapter 4**	
	Midterm		
5	**Sequences, Induction, and Recursion**	**Chapter 5**	
6	**Set Theory**	**Chapter 6**	
7	**Review of all 6 Chapters**	**Chapter 12**	
8	**Final Exam**		

Instructor's Biography

Mr. Boris Bogaczewicz graduated from Hawaii Pacific University with his bachelor's degree in computer science. He also received his master's degree in information systems (Software Engineering) and MBA from Hawaii Pacific University. Mr. Bogaczewicz is MCTS, CompTIA Security+, ,Linux + certified professional working as an IT specialist for the Department of Defense, and an individual recognized on Cambridge Who is Who.

ALTERNATIVE CONTACTS FOR WCC STUDENTS

Academic Counselors
Counselors assist students with course selection and planning towards graduation. Please read your "@hawaii.edu email" and use your "@hawaii.edu" email when contacting the counselors.

ALL detailed activities will be outlined and posted in "Announcement" tab at Lamaku on weekly basis

WCC REGULATIONS

Student Responsibilities
Students are responsible for meeting all the instructor's attendance and assignment requirements. Failure to do so may affect their final grade. In all college related activities, including instruction, they must abide by the college's codes and regulations, refraining from behavior that interferes with the rights and safety of others in the learning environment.

Audio and Visual Recordings
Prior permission of the instructor is required for audio and/or visual recordings of lectures or class presentations. Student initiated recording(s) and use of any electronic means of capturing or transmitting lectures or class presentations are prohibited and may be subject to disciplinary action by the College.

Electronic Communication
For the consideration of classmates, all electronic devices must be turned off or to vibrate during class. Check your messages between classes or during the break.

Email
Every member of the system has a "hawaii.edu" email address. Students are to regularly log in to UH email and web services for announcements and email. Failing to do so will result in missing critical information from academic and program advisors, instructors, registration and business office staff, classmates, student organizations, and others. For access go to http://myuh.hawaii.edu.

Food and Drink
Food and drink of any kind are not permitted in the classrooms.

Uninvited Guests/Children
As a courtesy to your classmates as well as to your instructor, uninvited guests and children are not allowed in the classroom. Please make special arrangements for childcare. For childcare information, see Single Parents and Displaced Homemakers Program under "STUDENT SUPPORT SERVICES."

Work Area/Workstations
In consideration of other classroom users, please shut down computers, clear workstation area of all rubbish, and return chairs to their proper position at the end of each class session.

GRADES AND ATTENDANCE POLICY (From Catalog)

Grading Policies and Grades
Final grades are made available to students about a week after the final examination period ends through http://myuhinfo.hawaii.edu/. Students can view and print copies of their grades from the portal. No grade reports will be mailed.

Attendance
Regular attendance at class and laboratory sessions is expected for all courses. Specific attendance policies are in the course syllabus (Minimum 65% attendance). Students with valid reasons for temporarily not attending a class should inform the instructor or department chair. Students will receive a grade of "F" if they do not officially withdraw from a class that they have stopped attending. All withdrawals must be completed by the stipulated deadline.

Removal of Incomplete Grade
An incomplete grade may be removed by completion of the deferred work and the instructor's assignment of a grade taking into consideration the completed work. Incomplete work must be made up within the first ten weeks of the following semester. If a student fails to submit the required work by the deadline, the incomplete grade will automatically be converted to the grade initially submitted with the "I" (Incomplete) by the instructor.

Grade Appeals
Students who wish to appeal an assigned grade should first discuss the concerns with the instructor of the course. If desired, the student may further appeal to the department chair and the respective dean. Students should also consult the college's policy on academic grievances available from the Office of the Vice Chancellor for Student Affairs.

Registration, Adds, Drops and Changes
Students may register online for classes through MyUH at http://myuhinfo.hawaii.edu/ starting at their assigned registration time.

Semester-long (16-week) classes may be dropped through the end of the tenth week of instruction. However, official withdrawals during the first three weeks of the semester will not be noted on students' academic records. The change of registration period for modular (less than 16 weeks) classes varies. The academic calendar, including deadlines, is available online. Instructor consent is not required, and the student—not the instructor— is responsible for processing the change. Late withdrawals, however, require approval of the instructor and the chair of the department that offers the course. Withdrawals after the deadline are permitted only for unusual or extenuating circumstances beyond the student's control.

Students will receive a grade of "F" if they do not officially withdraw from a class that they have stopped attending

STUDENT REGULATIONS (From Catalog)

All Windward Community College Student regulations are explained in the catalog. Listed below are some of the "Policies and Regulations".

Student Conduct Code
Conduct expected of students at Windward Community College is defined in the University of Hawaii Board of Regents' Statement on Rights and Responsibilities of the University of Hawaii Student Conduct Code. Windward Community College has a Student Conduct Code that defines expected conduct for students and specifies those acts subject to University sanctions. The student conduct code may be accessed on line. Copies of the Student Conduct Code are also available at the Office of the Vice Chancellor for Student Affairs.

Academic Dishonesty, Cheating, and Plagiarism
Academic dishonesty cannot be condoned by the University. Dishonesty includes cheating and plagiarism; it is a violation of the Student Conduct Code and may result in expulsion from the University. Cheating includes but is not limited to giving unauthorized help during an examination, obtaining unauthorized information about an examination before it is administered, using inappropriate sources of information during an examination, altering the record of any grades, altering answers after an examination has been submitted, falsifying any official University of Hawaii record, and misrepresenting the facts in order to obtain exemptions from course requirements. Plagiarism includes but is not limited to submitting any document, to satisfy an academic requirement, that has been copied in whole or part from another individual's work without identifying that individual; neglecting to identify as a quotation a documented idea that has not been assimilated into the student's language and style, or paraphrasing a passage so closely that the reader is misled as to the source; submitting the same written or oral material in more than one course without obtaining authorization from the instructors involved; or dry-lobbing, which includes (a) obtaining and using experimental data from other students without the express consent of the instructor, (b) utilizing experimental data and laboratory reports from other sections of the course or from previous terms during which the course was conducted, and (c) fabricating data to fit the expected results. Academic dishonesty cannot be condoned by the University. Dishonesty includes cheating and plagiarism; it is a violation of the Student Conduct Code and may result in expulsion from the University.

(WCC Policy--Any student, including collaborators, who cheats or plagiarizes on any quiz, exam, or assignment will receive a "zero score" and will be asked to withdraw from class. If you turn in someone else's work or reformat another person's work as your own, it is cheating. You may not share disks, files, or printouts. If you have concerns, please discuss them with your instructor.)

Disruptive Behavior
Windward Community College defines disruptive behavior as speech or action that
• is disrespectful, offensive, and/or threatening.
• interferes with the learning activities of other students.
• impedes the delivery of college services; and/or
• has a negative impact in any learning environment – including department and staff offices, the library, the Learning Assistance Centers, labs, clinical sites, service-learning sites, etc.

Disruptive behavior includes physically or verbally harassing, threatening, or abusing or acting abusively toward an instructor, staff member, or student in any activity authorized by the college.

Lethal Weapons
Firearms, spear guns, and bows and arrows are prohibited on campus except with specific prior permission of the Chancellor.

Illicit Drugs and Alcohol
This official notice, by the University of Hawaii Office of the President, is issued pursuant to the requirements of the federal Drug-Free Schools and Communities Act of 1989 and the Drug-Free Workplace Act of 1988.

POLICIES/ACTS (From Catalog)

The Family Educational Rights and Privacy Act
The Family Educational Rights and Privacy Act (FERPA) affords eligible students certain rights with respect to their education records.

Tobacco Products Policy
Windward CC is designated as the University of Hawaii Community Colleges' Health Education Campus. Given this recognition, the college is striving to promote a culture of health and wellness on campus to reduce the health-related factors that research shows have a negative effect on student learning, achievement, and success. Consequently, as of August 19, 2012, the college established its policy as a non-smoking, tobacco product free campus.

Student Support Services

Disability Accommodations and Support Services, Disability Support Services Office (DSSO)
Windward Community College is committed to a barrier-free campus, ensuring that all students have equal access to education. The college agrees to make academic adjustments to ensure non-discrimination against students with disabilities. This commitment is in accordance with applicable state and federal laws, including the Americans with Disabilities Act, and Sections 504 and 508 of the Rehabilitation Act.

DSSO/Deaf Center Reminders (from DSSO changes each semester)

If you are a student with a documented disability and have not voluntarily disclosed the nature of your disability so that we may coordinate the accommodations you need, you are invited to contact the Disability Support Services Office (DSSO).

Counseling
Counseling Counselors are available to assist prospective as well as enrolled students with educational, personal, and career concerns. Counseling services are available in the areas of self-evaluation, selection of majors, and academic planning. Interest inventories are also available to students, upon request, to assist them in narrowing possible career choices. In addition to individual and group counseling sessions, STAR, a degree audit program, is available to help students in their second and subsequent semesters' selection of courses. The degree audit focuses on courses to complete graduation requirements in the shortest amount of time and provides other helpful advice.