Syllabus Spring 2026

ICS 184

Intro to Networking [WIN. 63050.SP26]

Semester Dates (01/12/26 - 05/15/26)

Resources

Borrow Technology
Book a Study Space
UHMC IT Help
Library & Research Help
Printing
Testing
Tutoring
Learning Resources

Contacts

My UH
Lamakū
STAR Services
Disability Services
Student Life
Financial Aid
Title IX
Security

Stay Connected

Download the **UHMC App** from the Apple App Store or get it on Google Play

Contact Info

Instructor: Boris J Bogaczewicz

Zoom: Join by sent link and passcode

Office: WWW, Online

Office Hours: anytime by request

Email: borisb@hawaii.edu

Phone: 808-234-885

Welcome

Welcome to your next chapter! You're the author of your own story, and this is where you start writing some amazing pages. Remember, the **Champion** was at one point a **Challenger** who has never given up ...

Class Meeting Days/Times and Location:

Online

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Required Textbook, Materials, Resources, Supplies, Technology, Technical Skills

Required Textbook



Course Key: MTPNFX9GPBBW

Primary Instructor: Boris Bogaczewicz

Section Dates: 1/12/2026 - 5/15/2026

COPY SECTION | EDIT SECTION | DELETE SECTION

Textbook is in eBook format and is attached to the course materials

Required Materials, Resources, Supplies, and Technology

List of hardware, software, or plug-ins required in your course:

- A recent computer.
- Reliable high-speed Internet connection.
- Supported browsers for Lamakū.
    - Google Chrome
    - Mozilla Firefox
    - Apple Safari
    - Microsoft Edge
- Adobe (Acrobat) Reader. Download Adobe Reader for free.
- Digital or cloud-based storage
- Oracle Virtual Box and Cisco Packet Tracer

Technical Skill Requirements

- Keyboard and basic computer skills.

Course Information

Academic Prerequisites

- ICS 101 with grade C or better
- Keyboard and basic computer skills



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Course Purpose

This course will teach you about computer Networks and the way they are setup .

Course Description

This course provides the student with the knowledge and skills to manage, maintain, troubleshoot, install, operate and configure basic network infrastructure, as well as to describe networking technologies, basic design principles, and adhere to wiring standards and use testing tools. The course also introduces the student to network security concepts.

Course Communication

Since this class is online, any “office hours” will need to be coordinated ahead of time. I check emails frequently during the day -). On all correspondence, please add the phrase “ICS 184 Fall 2025” to the subject line (this helps me sort and answer your email quicker). I endeavor to answer all emails within 2-4 hours during the regular work week (most times faster). Once coordinated, we can “meet” via skype or other application. I endeavor to answer all emails within 24 hours during the regular work week.

Course Expectations

1) It is your personal responsibility as an online student to ensure that you have access to a reliable computer with an Internet connection.
2) It is the burden of the student to demonstrate mastery of course material to the instructor.
3) If you are having problems – ask! Don’t let confusion grow. I will assist you as needed, but you still must get the correct solution before you get credit – I will not do your thinking for you.
4) You can work with others, but ensure you must submit your own work - do not “Work together” on a solution, then make copies for each person to turn in. If you “Work together” to gain understanding, ensure you separate before you prepare your submission – if the submissions look too similar you may be asked to prove that it is your work.
5) Don’t let other students copy – it is your responsibility to ensure that your work is not made available to others. Academic dishonesty “F” s often comes in pairs.
6) Any activity that diminishes the instructor’s ability to analyze and rate a student’s

individual knowledge of course material is prohibited.
7) Complete assignments on time. Assignments should be professional and meet the highest standards with regards to: logic, research, and content, grammar, and spelling.
8) Be prepared for tests and exams. This can be accomplished by working all assignments and reading ahead.
9) Think before putting pen to paper (or fingers to keyboard). Analysis is key; thinking and understanding prior to attempting to solve a problem is critical.
10) Time goes by very quickly and there is a lot of work to be accomplished. You will likely be putting in anywhere from 10-12 hours a week doing assignments, reading, or doing research. Unexpected things happen often in life – do your best to get ahead so you can more easily deal with these events. Good time management and study discipline will be critical for keeping up in the class and doing well. 11) Communicate early and often with the instructor – and discussions of material (not exams) with other students is highly encouraged. 12) If you have problems or issues (e.g. illness, housing, death in the family, etc.) during the semester, let me know as soon as possible; we can work together to get your through this class. But I can't help you if I don't know about it.

Student Behavior Expectations

Submissions The Internet is a great research tool, and it should be utilized as often as possible as a study aid; but please ensure that you **DO YOUR OWN WORK**. Turning in material that is plagiarized is a serious offense. Study and use the information found on the internet (and any other sources) to help you understand, but when it comes time to do your work – use your own words, and do not copy, cite, or attempt to "paraphrase" or "rephrase" someone else's work. If you truly understand the material, you will be able to use your own words and examples. Also, consider your source when reading information on the Internet – not everything out there would be considered a "reputable" source. Be aware that all submitted items can be
run through academic tools which scan for and can catch, plagiarism attempts
Academic Dishonesty: The penalties for academic dishonesty are explicitly noted in the Windward Community College student conduct code. Students are expected to maintain the highest moral and ethical standards. Any student, who cheats, lends assistance to others or hands in work that is not his/her own, will be penalized as outlined in the student conduct code.
Furthermore, each student is responsible for ensuring that their work is not made available to others for study or duplication. Ignorance of this policy is no excuse of any academic

dishonesty. Ensure your work is your own.
Students can upload papers to http://www.TurnItIn.com to have papers checked for authenticity, highlighting where the paper potentially fails to appropriately reference sources. Copyright infringement or violation of patent, trademark, proprietary information, and/or confidentiality agreements will not be tolerated.
Consequences include (but are not limited to)
1st offense – a "0" for the assignment for all involved and a written warning
2nd offence – an "F" for the class

**The instructor reserves the right to notify the administrative offices (Vice Chancellor for Student Affairs) of any academic dishonesty violations – this can incur separate consequences such as probation or worse.*

Class Participation and Classroom Conduct

Online Conduct: Everything done electronically on the university systems or via email can be considered public record and you are part of the larger, global, online community. As such, it is expected that all students demonstrate appropriate language, behavior, respect, and understanding that would prevail in any campus situation. All students should do their part to ensure a pleasant and safe online environment for others – including:
a) Watching for virii, worms, bots, etc. Do not allow these items, or any other type of code that disrupts or interrupts/interferes with other users' use of the online environment.
b) Showing respect for all faculty, students, staff regardless of age, race, gender, religion, national origin, veteran's status, disabilities, sexual orientation, etc.
c) Being honest. Misrepresentation of any kind will not be tolerated. This includes any type of identity theft or intentional electronic "fakery" (spoofing, relaying, etc.)
d) Being polite. Ensure that any content submitted electronically is free from harmful, threatening, libelous, and abusive content. This also includes profanity.

Professionalism

Netiquette

(Noun): the rules of etiquette that apply when communicating over computer networks, especially the Internet (Dictionary.com, 2014). Visit the following website to familiarize yourself with The Core Rules of Netiquette (Ross, 2011).



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Establishing appropriate etiquette for online class interactions is vital to developing a positive learning environment.

Online discussions and peer feedback on written work are invaluable. However, we must observe appropriate behavior online, like in a classroom. Here are a few guidelines:

- Aloha - Online Netiquette
- 15 Rules of Netiquette for Online Discussion Boards by Online Education Blog of Touro College.

Course Communication

Online, emails, text, phone

Use of Lamakū

Explains to students how you will use Lamakū.

Lamakū (D2L Brightspace) Accessibility.

Use of Artificial Intelligence (AI)

AI is not permitted in this class, AI is allowed with attribution, or AI is allowed for specific assignments with attribution. View the following resources for examples and ideas. These examples can also be used for specific assignment instructions.

- Syllabi Policies for AI Generative Tools
- UH Online AI Recommendations
- UH System Artificial Intelligence (AI) Syllabi Icons and Sample Statements
- Artificial Intelligence (AI) Resources for Teaching and Learning
- UH Online AI for Students

To protect the privacy of all students and maintain a safe learning environment, **students are not permitted to use AI-based tools (e.g., Otter.ai, Fireflies.ai, Zoom AI Companion) to record, transcribe, or analyze class conversations.** Unauthorized recording may violate campus policies and federal privacy laws, such as the Family Educational Rights and Privacy Act (FERPA).



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Student Learning Outcomes (SLOs)

Upon completion of the course, the student will be able to:

- Manage networking projects as part of a team
- Discuss information security technologies such as cryptography, digital signatures, key management, and authentication as they relate to computer networks
- Describe the fundamental concepts, technologies, components, terminology, protocols, standards organizations, and business, legal, ethical, and security issues related to communications and data networks
- Describe a basic secure network architecture in accordance with current best practices given a specific need and set of hosts/clients
- Use current network tools to monitor, map and troubleshoot a network and to track and identify packets

Course Content

- Course will describe the fundamental concepts, technologies, components, terminology, protocols, standards organizations, and business, legal, ethical, and security issues related to communications and data networks. It describes a basic secure network architecture in accordance with current best practices given a specific need and set of hosts/clients.

Course Format and Schedule

Course Format

This course use Cengage platform as a foundation for needed knowledge and hands-on labs. It is very important to do assignments and projects. Failing in Cengage assignments and Packet Tracer projects will lead you to failure in this class. All info is published in weekly announcements, so you should check Lamaku at least twice a week.

Lamaku: Lamaku is an online course management system and will be used extensively in this course. The class schedule, assignments, and announcements will be posted and administered through Lamaku. (https://lamaku.hawaii.edu). The class *Announcements* will also include the *Due Dates* for any course work that may be due at the end of each week. It is CRUCIAL to check your *email*, the *Course Schedule*, and the *Announcements* page regularly to make sure you are keeping up with the requirements and pace of the course



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Course Schedule

- Outline weekly topics and major course events
- Due dates for major projects and exams
- Indicate holiday dates
- Indicate other significant dates from the academic calendar

The schedule is subject to change.

Each week begins on Wednesday and ends on Tuesday.

Week 1 (01/14/26-01/20/26): Introduction to Networking

Assignment 1.1 Course Orientation Due 1/28/2026
Assignment 1.2 Pre-Assessment Quiz 1/28/2026

Week 2 (01/21/26-01/27/26): Infrastructure and Documentation

Assignment 2.1 Unit Quiz
Assignment 2.2 Cengage Labs (details in Announcements)

Week 3 (01/28/26-02/03/26): Addressing

Assignment 3.1 Quiz 1
Assignment 3.2 Cengage Labs and Unit Quiz (details in Announcements)

Week 4 (02/04/26-02/10/26): Protocols

Assignment 4.1 Unit Quiz
Assignment 4.2 Cengage Labs (details in Announcements)

Week 5 (02/11/26-02/17/26): Cabling

Assignment 5.1 Quiz 2
Assignment 5.2 Cengage Labs and Unit Quiz (details in Announcements)

Week 6 (02/18/26-02/24/26): Wireless networking

Assignment 6.1 Unit Quiz
Assignment 6.2 Cengage Labs (details in Announcements)

Week 7 (02/25/26-03/03/26): Network Architecture

Assignment 7.1 Project, Quiz 3

Assignment 7.2 Cengage Labs and Unit Quiz (details in Announcements)

Week 8 (03/04/26-03/10/26): Midterm Exam

Assignment 8.1 Midterm Exam (Lamaku/Quizzes)

Week 9 (03/11/26-03/17/26): Network Segmentation

Assignment 9.1 Project

Assignment 9.2 Cengage Labs and Unit Quiz (details in Announcements)

Spring Break 03/16/26-03/22/26

Week 10 (03/25/26-03/31/26): Wide Area Networking (WAN)

Assignment 10.1 Quiz 4

Assignment 10.2 Cengage Labs and Unit Quiz (details in Announcements)

Week 11 (04/01/26-04/07/26): Risk management

Assignment 11.1 Unit Quiz (Cengage)

Assignment 11.2 Cengage Labs and Project (details in Announcements)

Week 12 (04/08/26-04/14/26): Access control

Assignment 12.1 Unit Quiz

Assignment 12.2 Cengage Labs (details in Announcements)

Week 13 (04/15/26-04/21/26): Performance and Recovery

Assignment 13.1 Unit Quiz (Cengage)

Assignment 13.2 Cengage Labs (details in Announcements)

Week 14 (04/22/26-04/28/26): Additional Resource

Assignment 14.1 Lab Manual (1 – 6)

Assignment 14.2 Quiz 5

Week 15 (04/29/26-05/05/26): Cisco Packet Tracer Project

Assignment 15.1 Packet tracer Project (details in Announcements)

Assignment 15.2 Post-Assessment Test

Week 16 (05/06/26-05/12/26): Final Exam

Assignment 16.1 Final Exam (Lamaku/Quizzes)



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Last Day of Instruction 05/06/26

Final Evaluation Period 05/07/26 - 05/15/26

Our final exam is scheduled for 05/12/2026

To Be Successful in this Class

- Go to the Content tool in Lamakū for detailed weekly instructions.
- Keep up with assignments and turn them in on time.
- Late assignments are NOT accepted except under unusual circumstances.
- Complete all reading as scheduled and study for tests.
- Follow all criteria for assignments and class projects.
- Come to class regularly and ask questions when something needs clarification.
- Commit to working 12–15 hours per week for activities and assignments.
- Form a 2–3-person study team and exchange contact information within the first two (2) weeks.
- Go to The Learning Center and devise a schedule to follow.
- Check email and Lamakū at least once daily for updates and communication.
- Meet with the instructor to discuss specific questions during office hours or by appointment.
- Be disciplined and diligent!

Add/Drop Withdrawal Dates

View the complete Academic Calendar for Spring 2026 Tuition Refund and Withdrawal Deadlines.

Grading Policy

Grades will be based on the percentage guidelines below.



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Letter grades for the course will be based on the percentage guidelines. Grades will be posted in Lamakū and will not be discussed via email. If you would like to discuss grades, please come during office hours or make an appointment to meet outside of office hours.

Assessment Categories and Weighting:

[Revise as necessary and for relevance.]

Grades will be based on the following weighted categories (subject to change):

Cengage Assignments = 40%
Forums = 10%
Exams and Quizzes = 30%
Projects =20%
Total = 100%

Assessment Category Descriptions

All categories are important for your final grade. Projects are extremely important for your knowledge and hands-on experience. Forums are important for communication with me and other students. I highly encourage you to discuss projects and your ideas on the class form, share the concept and improvements.

Late Assignment Policy

Students unable to meet a deadline for work, deployment, medical, or personal reasons must notify the instructor in advance. There is 10%-point deduction for each week of missing assignments

Grading Policy

There is no extra credit or extra work, request by email if you need special accommodation, grading should be done when all students turn assignments in



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Percentage Guideline and Grading Scale

Final semester grades are based on the following point system:

- A – (90-100%)
- B – (80-89%)
- C – (70-79%)
- D – (60-69%)
- F – (0-59%)

Grading Criteria/Rubrics

There is no +/- in grading, system is straight forward based on percentage points with above ranges. I can adjust the grade depending on your work ethics, engagement, forum activity and participation.

Attendance Policy

This is online class, so your attendance will be checked based on your Cengage activities and delivery of the projects and assignments. Forums participation is very important for this cause …

Student Service and Support Statements

Disability Services for Students

If you have a documented disability and related access needs, you are invited to meet with the Disability Services Counselor at 984-3227, UHMCDS@hawaii.edu, or go to Room C-03 in the Learning Center to discuss resources or services. Students are encouraged to reach out well before the semester begins to ensure adequate time to review and verify their request.

Visit and thoroughly read the **Student Service Statements** webpage for important information, including

- Disability Services
- Assessment
- Basic Needs
- Personal Counseling
- Campus Security
- UH Alerts
- Financial Aid
- First-Year Experience Courses

- Lactation Room
- Non-Discrimination Statement
- Safe Zone Program
- Student Conduct Code
- Student Right to Know/Consumer Information
- Title IX
- UH Email Communication

Visit and thoroughly read the **Student Support Statement** webpage for important information, including

- Academic Support Starting Points
- Technology for Online Learning
- Peer Mentoring and Tutoring
- Writing Assistance
- Research Help
- Learning Resources
- Places to Study on Campus
- Testing

Lamakū Support Services

Phone and Email Support is available 24 hours a day, 7 days a week, including holidays.

UH ITS Help Desk– email help@hawaii.edu or call 956-8883 (or 1-800- 558-2669 from the neighbor islands).

Lamakū Student FAQs

Information Security for Students

UHMC Outreach Centers

If you live in Molokaʻi, Lānaʻi, or Hana, access to higher education no longer means a move or a long commute. View the UHMC Outreach Centers webpage for more information.