Edison State Community College
CIS 211S, Operating Systems

Instructor:	Doug Streitenberger Master of Arts, Business Management, 2001 Bachelor of Science, Computer Science, 1997
Email:	dstreitenberger@edisonohio.edu
Section/Term	CIS-211S-801FS
Class Meeting Time:	Online
Location:	Online

Required Materials:

- **Textbook: Guide to Operating Systems,** 6th Edition, Greg Tomsho, ISBN: 978-0357433836.
- Access to a Windows 11 computer with administrator rights to install VirtualBox and several virtual operating systems.
- Portable storage media for saving in-class examples and work in progress.

Course Description/Objective: Welcome to Edison State Community College's course offering CIS 211S, Operating Systems. This course provides an introduction to operating system basics with the intent of giving students a deeper understanding of various operating systems. Operating systems covered include Windows 7 through Windows 10 desktop operating systems, Windows Server, UNIX/Linux, and macOS. Students will learn some networking basics and information for how to create mixed environments. Students will demonstrate an understanding of the concepts and techniques taught in the course by successfully completing assignments, and projects in a professional and comprehensive manner. The course is 3 credit hours.

Specific topic coverage includes:

Operating systems fundamentals
Modern client and server operating systems
The central processing unit (CPU)
File systems
Installing operating systems
Devices and device drivers
Using and configuring storage devices
Virtualization and cloud computing fundamentals
Network fundamentals and configuration
Account and resource management
Securing and maintaining an operating system

Grading: The course grade will be based upon module lab / homework assignments, discussion boards, and exams. The required format and documentation will be defined by the instructor. All work will be graded as quickly as possible. Any work which is deemed to be plagiarized will result in an automatic zero for that work and possible disciplinary action as outlined in the Student Handbook. It is great to work in teams but you must do your own work!

Grades will be assigned as follows:

Grading Category	Points	Weight	Cumulative Points	% of Grade	Letter Grade
Introductory Assignments and Discussion Boards	55	5%	940.5 - 1045	90 - 100 %	A
Homework Assignments	645	62%	836 - 940.4	80 - 89.9 %	B
Final Papers	145	14%	731.5 - 835.9	70 - 79.9 %	C
Exams	200	19%	627 - 731.4	60 - 69.9%	D
Totals:	**1045**	**100%**	626.9 and below	59.9% and below	F

Lab / Homework Assignments: There will be weekly, module lab / homework exercises available to you through Blackboard. Details of all the assignments will be available in the Blackboard Learning Modules. In addition, the class schedule, available through Blackboard by clicking the Start Here !!! Content area, provides a high-level overview of weekly assignments (minus detail) and due dates. Everything completed in this course: labs / homework, discussion boards, and exams are open-book, open notes, and open resources.

Late Assignments: It is the student's responsibility to make sure all course deadlines are met. Late assignments will not be accepted but for one exception: verified Family and Medical Leave Act emergencies. These guidelines are meant to eliminate the need to evaluate what reasoning warrants a late assignment. As "life happens", and sometimes late or missed assignments are unavoidable, I will make one (1) exception to this policy. It is at the student's discretion when they wish to exercise this option. The student must notify the instructor of this decision.

Exams: There will a midterm and final exam given in this class. The exams are limited in time, but provide extra time if needed. These are meant to measure your understanding of the material in the course. They are not meant to measure your test stress levels. Relax and do your best.

Discussion Board Participation: There will be one (1) "introductory" discussion board exercise which will be due as part of the assigned work in the class. The primary purpose of this exercise is meant to instill teamwork and comradery within the class. Most everything that is done in the business world is accomplished through teamwork. Why should education be any different? But remember, you must turn in your own individual work. Postings will be evaluated on the quality of the postings, and the degree that the postings promote discussions, with your classmates. Details about these assignments will be available within the Blackboard assignment module for the week that they are due.

Submitting your Work: Every assignment within this course is available to the student through Blackboard. That said, students must submit their completed assignments to the instructor through these same platforms as appropriate for each assignment. Under no circumstance are assignments to be sent to the instructor via email. The instructor must receive assignments via the appropriate technology by midnight local time on the date they are due. Be aware that Blackboard will automatically timestamp the delivery of your completed assignment.

Student Responsibilities: Students are expected to:

- Read the assigned chapter material and complete all assignments in a professional manner.
- Attend class regularly, and participate in discussions boards forums in order to attain the most from their educational experience.
- Discuss any problems or questions regarding class procedures, assignments, or grades with the instructor.
- Adhere to the Academic Honesty Policy.

Note: The Instructor reserves the right to amend, adjust, or otherwise modify this outline at any time.

Syllabus Part II Addendum for additional student support services.

AI POLICY - All coursework for this class must be authored solely by you. While limited use of generative AI tools like ChatGPT is permitted for brainstorming, outlining ideas, or checking grammar and style, AI-generated submissions—including drafts, full sentences, paragraphs, or entire assignments—are strictly prohibited and will be treated as academic misconduct. Any approved AI assistance must be properly documented and cited, in alignment with the college's academic honesty policies. If you're unsure about permitted usage, please ask for clarification before proceeding

ACCOMMODATIONS /ACCESSIBILITY AND DISABILITY SUPPORT SERVICES POLICY
Edison State Community College will make reasonable accommodations for students with documented disabilities. If you believe you may need an accommodation based on the impact of a disability, contact the instructor privately with your self-identification letter. If you do not have a self-identification letter, contact Accessibility and Disability Support Services by emailing accessibilitysupport@edisonohio.edu or by calling 937.381.1548. Accessibility and Disability Support Services is located on the Piqua Campus in Room 160. For additional information, visit https://www.edisonohio.edu/services-support/accessibility-disability-support-services

TESTING YOUR FAITH ACT POLICY - Edison State Community College is committed to providing an environment respectful of students' beliefs. Students are permitted to be absent for up to 3 days each semester based on their faith, religion, or spiritual belief system with no academic penalty. Students must complete the Testing Your Faith Act Accommodations Form, https://www.edisonohio.edu/services-support/registration-records, located in "Forms" and provide a copy to their individual faculty within 14 days from the start of the course. The entire policy can be found in the student handbook at https://www.edisonohio.edu/services-support/student-resources.

TITLE IX STATEMENT - Anti-Discrimination, Harassment and Bullying
It is the policy of the College to maintain a learning environment free from bullying, discrimination, sexual harassment or sexual violence. Title IX federal law protects students, employees and third parties with a relationship to the college. All Edison State Community College employees are required to report all knowledge of incidents that violate the Title IX policy to the Title IX Coordinator or Deputy Title IX Coordinator immediately. Student and employee confidential consultation is available through the Coordinator of Health and Wellness Services. Title IX Policy and procedure language as well as contact information for the Coordinator of Health and Wellness, Title IX Coordinator and Deputy Title IX Coordinator can be found at www.edisonohio.edu/TitleIX/.

TUTORING SERVICES - All Edison State students are eligible to receive free tutoring and learning support services through our Tutoring Center. Available services include Edison State tutors, both online and in-person, covering a wide variety of courses including various levels of math and paper reviews, online tutoring through OhioLINK eTutoring, distraction-reduced study rooms, and the use of Tutoring Center resources including subject-specific and general study guides. For more information on tutoring services, visit the Tutoring Center in the Library, email us at tutoringcenter@edisonohio.edu, call 937-778-7959, or visit our webpage at https://www.edisonohio.edu/tutoring-center/

CIS 221S - Operating Systems			8/24/2026 - 12/12/2026 Online		
Week #	**Module / Chapter**	**Textbook and Cisco NetAcademy Reading**	**Assignments**	**Points**	**Due Date**
Week 1		Introductions, Syllabus, Schedule, Tools	Statement of Understanding Quiz	5	Thursday, Aug 27
	1	Guide To Operating Systems, **Operating Systems Fundamentals**	Introduction Discussion Board - Initial Post	40	Thursday, Aug 27
	1	Cisco NetAcademy, Module 1, **Introduction To Linux**	Introduction Discussion Board - Responses	10	Sunday, Aug 30
			Week 1 Assignment: Scavenger Hunt	35	Sunday, Aug 30
Week 2	2	Guide To Operating Systems, **Modern Client and Server Operating Systems**	Module 2 Assignment	35	Sunday, Sep 6
		Cisco NetAcademy, Module 4, Open-Source Software and Licensing			
Week 3	3	Guide To Operating Systems, **The Central Processing Unit (CPU)**	Module 3 Assignment	65	Sunday, Sep 13
		Cisco NetAcademy, Module 5, Command Line Skills			
		Cisco NetAcademy, Module 6, Getting Help			
Week 4	4	Guide To Operating Systems, **File Systems**	Module 4 Assignment, File Systems Part 1	30	Sunday, Sep 20
		Cisco NetAcademy, Module 7, Navigating the File System			
		Cisco NetAcademy, Module 8, Managing Files and Directories			
Week 5	4	Guide To Operating Systems, **File Systems Continued**	Module 4 Assignment, File Systems Part 2	65	Sunday, Sep 27
		Cisco NetAcademy, Module 9, Archiving and Compression			
		Cisco NetAcademy, Module 13, Where Data is Stored			
Week 6	5	Guide To Operating Systems, **Operating Systems Installation**	Module 5 Assignment, Part 1	65	Sunday, Oct 4
Week 7	5	Guide To Operating Systems, **Operating Systems Installation Continued**	Module 5 Assignment, Part 2	35	Sunday, Oct 11
Week 8	Midterm		Midterm Exam	100	Sunday, Oct 18
Week 9	6	Guide To Operating Systems, **Devices and Device Drivers**	Module 6 Assignment	50	Sunday, Oct 25
		Cisco NetAcademy, Module 12, Understanding Computer Hardware			
Week 10	7	Guide To Operating Systems, **Storage Device Usage and Configuration**	Module 7 Assignment	50	Sunday, Nov 1
		Cisco NetAcademy, Module 10, Working with Text			
Week 11	8	Guide To Operating Systems, **Virtualization and Cloud Computing Fundamentals**	Module 8 Assignment	35	Sunday, Nov 8

Week 12	9	Guide To Operating Systems, **Network Fundamentals and Configuration**	Module 9 Assignment	50	Sunday, Nov 15
		Cisco NetAcademy Module 14, Network Configuration			
Week 13	10	Guide To Operating Systems, **Account and Resource Management**	Module 10 Assignment	65	Sunday, Nov 22
		Cisco NetAcademy Module 15, System and User Security			
		Cisco NetAcademy Module 16, Creating Users and Groups			
Week 14	11	**Operating System Security and Maintenance**	Module 11 Assignment	65	Sunday, Nov 29
		Cisco NetAcademy Module 17, Ownership And Permissions			
		Cisco NetAcademy Module 18, Special Directories And Files			
Week 15	Final		Final Research Paper	120	Sunday, Dec 6
			Final Reflection Activity	25	Sunday, Dec 6
Week 16	Final		Final Exam	100	Wednesday, Dec 9
			Total Points:	**1045**	
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