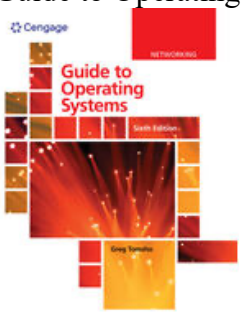
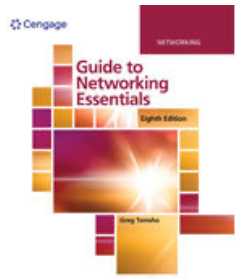
California State University
DOMINGUEZ HILLS

WWW.CSUDH.EDU

College of Natural and Behavioral Sciences
Department of Computer Science
http://csc.csudh.edu

COURSE TITLE:	OS and Networks Support
COURSE NUMBER:	**CTC 316**
INSTRUCTOR NAME:	**MEHRDAD S. SHARBAF, PH.D.** MSHARBAF@CSUDH.EDU, **OFFICE: NSM A-139** **PHONE:** 310-243-3398, **OFFICE HOURS: WED. 5:00PM-7:00PM**
DATE:	SPRING ALL SEMESTER, 2023
COURSE LENGTH:	**15 WEEKS**
WEB COMPANION	**N/A**
BLACKBOARD WEB SITE	**HTTP://toro.csudh.edu**
COURSE SCHEDULE:	**ONLINE ASYNCHRONOUS FORMAT DELIVERY**
UNIT OF ACADEMIC MEASUREMENT (SELECT ONE):	**___ QUARTER SYSTEM** **__X SEMESTER SYSTEM**
PREREQUISITES:	**CSC 116 INTRODUCTION TO HARDWARE**
COURSE CATALOG DESCRIPTION:	**Course provides an introduction to OS and networking support. Topics include user engineering, risk management, mission assurance, software process management, enterprise management tools and processes, disaster recovery, business continuity and information life cycle management.**

	TEXTBOOKS AND MATERIALS	(CHECK ONE)	
		REQUIRED	OPTIONAL (SUPPLEMENTAL)
TEXTBOOK (S)	Guide to Operating Systems, 6th Edition  Greg Tomsho ISBN-10: 0357433831 ISBN-13: 9780357433836 © 2021 Guide to Networking Essentials, 8th Edition  Greg Tomsho ISBN-10: 0357118286 ISBN-13: 9780357118283 © 2020		X X
References	HAND OUT	✓	
ESOURCES & SUPPLIES	An Internet browser (e.g. Internet Explorer), connection to the Internet. A storage device for your files (Flash Drive)	✓	

PERFORMANCE OBJECTIVES: **Upon completion of this course, the student should be able to do the following:**

- ✓ Understanding the importance of Operating Systems and Networking Support

- ✓ Learn about different component of Operating Systems and Networking Support
- ✓ Learn about Wireless networks
- ✓ Learn about Network cabling, testing, and troubleshooting
- ✓ Implementation and presentation of a Network related Project
- ✓ Learn about past and emerging Federal Government guidance/regulations impacting Operating Systems and Network Support

INSTRUCTIONAL METHODS:

- ✓ This course will be delivered through the use of online asynchronous platform, presentations, demonstrations, threaded discussions, and limited hands-on experience.

GRADING: Student performance will be evaluated based upon the following criteria: Evaluation of the course will include any class assignments or deliverable exercises, and the projects. The instructor will supply the students with a full grading scheme at the beginning of the course.

Midterm	**100**
Final Exam	**100**
Group Research Propose Plan	**50**
Group Research Project Report	**100**
Threaded Discussion	**200**
Group Hands-On Activity	**200**
Total:	**750**

Grading Scheme:

96-100%	A	73-76%	C
90-95%	A-	70-72%	C-
87-89%	B+	67-69%	D+
83-86%	B	61-66%	D
80-82%	B-	< 60%	F
77-79%	C+		

COURSE POLICIES: **Late and Incomplete Deliverables:**

- Deliverables (Class Assignments, Projects) submitted late are not accepted.
- Deliverables (Class Assignment, Projects) not submitted before the end of the final class will earn 0%.
- Any exceptional, non-academic circumstances need to be discussed with the instructor as soon as they arise, prior to the due date of the deliverable. At the time of the discussion, NO make-up work will be assigned.
- The instructor reserves the right not to award credit for deliverables that are incomplete. Partial credit is awarded at the instructor's discretion, and only for work that merits such an award. Assignments that are incomplete or incongruous with the specifications may be returned to the student.

ATTENDANCE: Students are required to be prepared and attend all the online sessions threaded discussions. The attendance policy is strictly enforced, and poor attendance may adversely affect your final grade due to class assignments.

MAKE-UP WORK: There will be no makeup or early examinations and late assignments will not be accepted.

ACADEMIC Academic integrity is of central importance in this and every other course at

INTEGRITY: CSUDH. You are obliged to consult the appropriate sections of the University Catalog and obey all rules and regulations imposed by the University relevant to its lawful missions, processes, and functions.
All work turned in by a student for a grade must be student'' own work. Plagiarism and cheating (e.g. stealing or copying the work of others and turning it in as your own) will not be tolerated, and will be dealt with according to University policy. The consequences for being caught plagiarizing or cheating range from a minimum of a zero grade for the work you plagiarized or cheated on, to being dropped from the course.

STUDENT ACADEMIC APPEALS PROCESS: Authority and responsibility for assigning grades to students rests with the faculty. However, in those instances where students believe that miscommunication, error, or unfairness of any kind may have adversely affected the instructor's assessment of their academic performance, the student has a right to appeal by the procedure listed in the Undergraduate Catalog and by doing so within thirty days of receiving the grade or experiencing any other problematic academic event that prompted the complaint.

ADA STATEMENT: Students with disabilities, who believe they may need an academic adjustment in this class, are encouraged to contact Disabled Student Services as soon as possible to better ensure receipt of timely adjustments.

MIDTERM & FINAL EXAM: Test exam is during the 8th week of the class and the date for the final exam is based on the final examination schedule printed in the campus Class Schedule. All projects are due no later than the last week of the semester.

(The class schedule is tentative and subject to change as circumstances dictate)

WEEK #	DATE	TOPIC	*Reading Assignment/ Computer Lab Topic/Online Module*
Week 1	1/26/2023	Course Introduction & Requirements/ Overview of Syllabus and Course Orientation / **OPERATING SYSTEMS FUNDAMENTALS**	Week 1 Online Module-Chapter 1
Week 2	2/2/2023	**MODERN CLIENT AND SERVER OPERATING SYSTEMS**	Week 2 Online Module-Chapter 2
Week 3	2/9/2023	**THE CENTRAL PROCESSING UNIT (CPU)**	Week 3 Online Module-Chapter 3-Due Group Research Paper Topic
Week 4	2/16/2023	**FILE SYSTEMS**	Week 4 Online Module-Chapter 4
Week 5	2/23/2023	**INSTALLING OPERATING SYSTEMS**	Week 5 Online Module-Chapter 5
Week 6	3/2/2023	**DEVICES AND DEVICE DRIVERS**	Week 6 Online Module-Chapter 6
Week 7	2/9/1023	**USING AND CONFIGURING STORAGE DEVICES**	Week 7 Online Module-Chapter 7
Week 8	3/16/2023	**Midterm- VIRTUALIZATION AND CLOUD COMPUTING FUNDAMENTALS**	Week 8 Online Module-Chapter 8-**Due Group Research Proposal-Midterms covers Chapters 1-7**
Week 9	3/23/2023	**INTRODUCTION TO COMPUTER NETWORKS**	Week 9 Online Module-Chapter 1
	3/302023	**Spring Recess-No Classes**	
Week 10	4/6/2023	**NETWORK HARDWARE ESSENTIALS**	Week 10 Online Module-Chapter 2
Week 11	4/13/2023	**NETWORK TOPOLOGIES AND TECHNOLOGIES**	Week 11 Online Module-Chapter 3
Week 12	4/20/2023	**NETWORK MEDIA**	Week 12 Online Module-Chapter 4
Week 13	4/27/23	**NETWORK PROTOCOLS**	Week 13-Online Module-Chapter 5
Week 14	5/4/2023	**IP ADDRESSING**	Week 14 Online Module-Chapter 6
Week 15	5/11/2023	**NETWORK REFERENCE MODELS AND STANDARDS**	Week 15 Online Module-Chapter 7
Week 16		**Final Exams Week**	**Final Exam Covers 1-7**

GO TOROS!

Technology Requirements

Computer:
You must have access to a reliable computer for this course. If you are on campus, and do not have a laptop, you can check out a laptop from the IT User Services Help Desk via Technology Checkout Program. In addition, the CSUDH Toro Lab offers on campus access to workstations with a wide variety of commonly used software.

Visit the CSUDH Academic Technology Online Courses Technical Requirements page for more information on technology requirements.

Email:
All email communications from this course will go through your Toromail. Toromail is the CSUDH student email system.

Internet and Campus Wireless Network:
You must have Internet access to participate in this course. If you are on campus, connect your laptop and mobile device to the internet using the eduroam campus wireless network.

Office 365:
Course work will require you to submit work in Word format (.docx files). Active CSUDH students have access to Office 365 (Word, Excel, PowerPoint) for personal desktop and laptop computers at no cost.

Blackboard Learn

You may access the course through Blackboard Learn https://toro.csudh.edu. You have the flexibility in an online course to study and participate according to your work and personal schedule within each week of study. However, you must still complete assignments by their required due dates.

Your challenge is to dedicate the required time for study within your personal schedule. This syllabus, including the schedule and due dates, should support you in managing time effectively. Marking your study and your online discussion time in your personal calendar also will help.

As part of your personal schedule, make sure you check the Announcements and my Online Office several times a week so that you can see if I have posted any new information about the course.

LockDown Browser

Tests in this course will use the Respondus LockDown Browser. This is a specialized web browser which temporarily blocks access to other applications on your computer while you take a Lockdown Browser required test on Blackboard. Tests using LockDown Browser will include the text, "requires LockDown Browser."

Click here to download Respondus LockDown Browser for Mac and Windows. If you are on campus, LockDown Browser is available on computers found in the second and third floor of the library (south), as well as, on the accessibility computers found in the ToroLab.

View this short video for a general overview of LockDown Browser. Watch this video to view the install and LockDown Browser test taking process.

Note: The webcam feature in LockDown Browser, known as Respondus Monitor, will not be used.

Zoom

This course will use Zoom web conferencing software for online office hours. Go to the Zoom download page to download and install the Zoom Client for Meetings on your desktop or laptop. Zoom is also available for mobile and tablet devices on the App Store (iOS) and Google Play (Android). Visit the CSUDH Academic Technology Tutorials page for information on using Zoom.

View this short video for a general overview of Zoom.

Special Needs

Online courses are required to meet ADA accessibility guidelines. This means that all aspects of the online learning experience are accessible. Please let me know if you have adaptive software and hardware to assist you with taking this course or if you have any specific needs I should be aware of. The CSUDH Student Disability Resource Center (SdRC) is available to assist you during this course. The SdRC is available at (310) 243-3660 and can be reached by email at dss@csudh.edu.

Technical Help

If you need technical help, refer to the following resources:

Login Issues:
For login issues related to Blackboard, Toromail and MyCSUDH, contact the IT Help Desk at (310) 243-2500, option 1. You can also create an online service ticket for login support.

The IT Help Desk also offers walk-in support. Visit the first floor of the library (north), C-108, for in-person help.

Password Resets:
CSUDH offers an easy, self-service password reset service at https://password.csudh.edu/. For additional assistance with password resets, contact the IT Help Desk.

Blackboard Issues:
For issues or questions with Blackboard, contact the CSUDH Blackboard Support line at (310) 243-2500, option 2. You can also create an online service ticket for Blackboard support.

Need Help with Using Blackboard?

If you are new to Blackboard or unfamiliar with a specific feature of Blackboard, CSUDH Academic Technology offers a series of PDF and video-based tutorials. Visit the CSUDH Academic Technology Tutorials page for more information.

Participation in Online Discussion Sessions

Online students, perhaps even in a more direct way than on campus students, are expected to have an active role in contributing to the learning of the entire class. In order for us to build meaning together and to learn from each other we need to be involved in conversations with each other. For this reason, it is expected that **students will make at least 3 posts per week (one original and reply to at least 2 classmates).** Students are expected to complete online discussion projects during the week the assignment is distributed. **Students who post after the deadline will not receive credit**. To receive full credit for posts, students should follow the rubric for the threaded discussion.