

Cosumnes River College
CISN 301
Network Client Systems Administration (Linux)
A Hybrid-Online Course
Spring 2011

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The turnaround time for responding to most E-mails is about one to two days. Be sure to include your name and the course number in each E-mail so I can identify who you are and what the E-mail is about.

Course Web page: <http://d2l.losrios.edu/>

Prerequisites: none

Advisory: CISC 302, 308 or 310

Lecture: Online

Lab: T 6:00 to 9:10 p.m.

Accepted for Credit: CSU

Class Credits: 3 units

Required Textbooks:

Title: SUSE Linux Enterprise Desktop Administration
Author: Jason Eckert
Publishing Info: Thompson Course Technology, 2008
ISBN10: 1-4283-2227-2
ISBN13: 978-1-4283-2227-1

Optional Materials:

3-1/2" floppies, a flash drive, or RW-DVD's to store your work for the class

Course Description:

This course covers the administration of a client in a client/server network. Topics include designing a basic network, installing and configuring a client network operating system, managing network security with user and group accounts, creating directory structures and network shares, setting up and managing network printers, backing up servers, monitoring and troubleshooting network resources, and establishing policies and procedures for network operations. Students may receive three-units of credit for each new version of an operating system offered or for a different operating system offered. Consult the class schedule for specific operating system offered. This course may be taken four times for credit.

Student Learning Outcomes and Course Objectives:

As a result of completing this course, you will be able to:

- SLO #01: DEDUCE THE DIFFERENCE BETWEEN A NETWORK CLIENT OPERATING SYSTEM AND A NETWORK SERVER OPERATING SYSTEM
 - Evaluate client operating system support features
 - Identify the role of a network client operating system in the enterprise

- SLO #02: DISTINGUISH BETWEEN THE VARIOUS INSTALLATION METHODS
 - Assess the needs to upgrade from a previous operating system version
 - Measure ways to migrate existing user environments to a new installation
 - Inspect post-installation updates and product activation
 - Reason the cause for failed installations
- SLO #03: EVALUATE METHODS TO MANAGE DISKS, FILE SYSTEMS, AND PERIPHERALS DEVICES
 - Investigate, configure, and troubleshoot volumes and disks
 - Design and configure removable media, such as tape devices, DVD and CD-ROM devices
 - Manage, configure, and troubleshoot input and output (I/O) devices
 - Manage printers and fax devices
 - Manage print jobs
- SLO #04: MANAGE AND CONFIGURE THE USER'S EXPERIENCE
 - Choose accessibility settings
 - Manage desktop components
 - Manage display options
 - Choose regional and language settings
 - Manage users' profiles and data
- SLO #05: MANAGE APPLICATIONS
 - Manage distribution of applications
 - Investigate, and troubleshoot application compatibility with the network client operating system
 - Manage and configure a web browser
- SLO #06: DISCOVER HOW TO CONNECT A NETWORK CLIENT OPERATING SYSTEM TO A NETWORK
 - Investigate how to configure a wireless network
 - Assess how to connect to a virtual private network (VPN)
 - Manage and configure Remote Desktop and Remote Assistance
 - Configure and troubleshoot the TCP/IP protocol
- SLO #07: MANAGE USERS AND GROUPS
 - Manage user account properties
 - Manage and troubleshoot cached credentials
 - Manage user and group rights
- SLO #08: PLAN FOR COMPUTER SECURITY, RECOVERY AND PERFORMANCE
 - Manage security configuration with templates
 - Discover how to back up and restore systems and data
 - Establish, implement, and monitor a security audit policy
 - Monitor system performance
 - Manage scheduled tasks

Methods of Measuring Student Learning Outcomes:

You will demonstrate knowledge of network and Internet security applications and standards through class discussions and achievement on quizzes and final examination.

You will demonstrate competence in the coursework by completing lab work and participating in the discussion board during the semester.

Student Obligations:

Attendance: Since this course is online, only attendance at the On-Campus Orientation on Jan. 18, 2011 and the Final on Mar. 8, 2011 is necessary. There will be weekly lab time on campus, and it is up to you to complete the lab assignments during the lab time or at home.

Late Work: Unless noted all assignments are due on Monday by midnight each week. Late work will be accepted ONLY if you have contacted me prior to the due date either by E-mail or voice mail. In general, late work is due the next week, and no late assignments may be turned in after one week from the original due date regardless of the reason. For every day an assignment is late, you will lose 10% of its grade.

Due Dates: Unless noted all assignments will be submitted in Desire2Learn under the “Weekly Assignments” link. If, for any reason, you cannot access Desire2Learn or are unable to submit the assignment on time, please E-mail it to me instead so that you are not penalized for being late. Quizzes and the discussion board items cannot be taken past their due date. If you miss a quiz and you want to make up points you can take advantage of the extra credit assignments posted in Desire2Learn. Everyone is welcome to work on the extra credit assignments. Typically, they are five to ten points each, depending on the difficulty of the assignment.

Labs: There will be six labs credited for homework for the class. The due dates are located in the **SCHEDULE** portion of this handout. We will spend a lot of time working on lab activities. Each lab has a set of review questions that you will need to answer in Desire2Learn in order to receive points for that assignment. If you do the lab work at the college during the regularly scheduled lab time, you will not have to submit your results in Desire2Learn. Instead, I will visually confirm your work and assign your points in class.

Discussions: I want everyone to take a pro-active approach to learning this material. This includes using the discussion board to ask questions and also answer other students’ questions. I will also post questions each week that you can answer to further your understanding of the material. I expect two postings each week unless otherwise noted.

Final Exam: The final exam will consist of two parts. One part of the exam will be a hands-on practical demonstration of assigned tasks and the other part will be an exam taken in Desire2Learn.

Plagiarism Policy: It is inappropriate, and a violation of academic policy, to copy information from any source (including, but not limited to, textbooks, magazine articles, newspaper articles and Internet articles) without giving proper credit to the author by using standard quotation procedures such as in-line quotes, footnotes, endnotes, etc. Quotes may not exceed 25% of the assignment's total length. You will receive no credit (0 points) for any assignment that copies any material from any other source without giving proper credit to the author(s). Repeat offenders of this policy are subject to academic discipline as outlined in the policies published by the college.

Cheating: Students who cheat will receive a failing grade for the course. See the Students Rights and Responsibilities page of the college website (http://www.crc.losrios.edu/College_Catalog/General_Information/Students_Rights_and_Responsibilities.htm) for additional information.

E-mail: Every student will be required to have an E-mail account.

E-mail etiquette: I will not tolerate rude and demeaning comments or e-mails to anyone in this class. Please keep your comments and e-mails topic-related. If I determine that a comment or e-mail to anyone else in the class is rude or demeaning, I will warn you once. If your behavior continues to be unacceptable, I will refer you to the administration of the college for disciplinary action.

Personal belongings: No food or drinks are allowed in the classroom. All cell phones, beepers, pagers, etc. should be turned off or set to vibrate.

Disabilities: If you have a documented disability and wish to discuss academic accommodations, please contact me after class or contact the Office of Disabled Student Programs and Services at 691-7275 as soon as possible.

Campus Police: You can call 691-7777 to request a safety escort.

Desire2Learn: This class utilizes a product called "Desire2Learn." It is highly recommended that you check the website frequently for scheduling updates and homework assignments. Most of the homework assignments and quizzes will be done on Desire2Learn.

Online Course Responsibilities: This course requires significant self-motivation. You must not get behind. Labs and weekly assignments can take up to eight hours to finish. Please don't try to finish them in one day. Not all activities are created equal. Some may take a bit longer than others. You would normally spend 4 hours per week in class for this course: total of 54 hours. Allow yourself at least 8 hours per week to complete the activities online, including the time spent writing for the postings to the class discussion board. You should plan additional time to read the textbook and study for the quizzes. Some people believe this is a much easier way to study this subject than an on-campus framework because they love to read and avoid the parking problems. Others feel very intimidated at first. Be patient as you work your way through the activities.

Grading:

Course Topic	Points	Total	Approximate % the of Grade
Labs (7)	50	350	46
Orientation Quiz (1)	10	10	1
Quizzes (4)	30	120	16
Discussions (4)	20	80	11
Final Exam (1)	200	200	26

Point System:

There are 760 total assigned points.

Grade Ranges: A= 684-760, B=608-683, C=532-607, D=456-531, F=0-455

Schedule: It is tentative and can change during the course of the term. All changes will be located under the "News" section in Desire2Learn for the course.

	Day:		Lecture/Lab Schedule:	Assignment Due:	Due Date (By Midnight):
Week 1	Tue.	1/18	Orientation and Introductions	Orientation Discussion Orientation Quiz	Mon., Jan. 24
			Ch 1: Install SLED 10 Ch 2: Use the Linux Desktop Lab #1:	View the Online Orientation	
Week 2	Tue.	1/25	Ch 3: Locate and Use Resources Ch 4: Administer Linux with YAST	Discussion #1(Ch 1-4) Quiz#1 (Ch 1-4)	Mon., Jan. 31
			Lab #2:	Lab #1	
Week 3	Tue.	2/1	Ch 5: Manage the Network Configuration Ch 6: Manage Software	Lab #2	Mon., Feb. 7
			Lab #3:		
Week 4	Tue.	2/8	Ch 7: Manage Directories and Files Ch 8: Work with the Linux Shell and CLI	Discussion #2(Ch 5-8)	Mon., Feb. 14
			Lab #4:	Quiz#2 (Ch 5-8) Lab #3	
Week 5	Tue.	2/15	Ch 9: Manage Users, Groups, and Permissions Ch 10: Monitor the Linux System and Control Processes	Lab #4	Mon., Feb. 21
			Lab #5:		
Week 6	Tue.	2/22	Ch 11: Manage System Initialization Ch 12: Administer Printing	Discussion #3 (Ch 9-11)	Mon., Feb. 28
			Lab #6:	Quiz#3 (Ch 9-11) Lab #5	
Week 7	Tue.	3/1	Ch 13: Integrate SLED 10 into Existing Environments Ch 14: Customize the GUI on SLED 10	Lab #6	Mon., Mar. 7
			Lab #7:		
Week 8	Tue.	3/8	Final Exam	Discussion #4 (Ch 12-14) Quiz#4 (Ch 12-14) Lab #7	All work needs to be turned in.