Cosumnes River College
CISC 321
INTERMEDIATE OPERATING SYSTEMS
Using Linux
Fall 2004

Instructor: Buddy Spisak **Office Hours**: TBA
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Prerequisites: CISC 320
Schedule: 2nd 9 wks, October 18th – December 17th
Lecture: Saturday 9:30 – 11:20 AM
Accepted for Credit: CSU
Class Credits: 1 unit

Required Textbooks:

Title: Linux+ Certification
Publishing Info: Course Technology, 2004
ISBN: 0-619-20563-6

Required Software:

Title: Red Hat Linux 9.0: Publisher's Edition
Publishing Info: Course Technology, 2004
ISBN: 0-619-26133-1

Supplies Needed:

It is necessary to have two 3.5" floppy diskette.

Course Description:

This course is intended to advance the students knowledge of the Linux operating system. The class covers the study of advanced commands, effective utility use, advanced batch files/script files, program logic, disk organization, making user-friendly systems, anticipating and preventing system problems.

Course Objectives:

- Provide students with a more advanced understanding of the Linux operating system.
- Provide students with an understanding of batch files, program files, and shell scripts.
- Provide students with the skills to execute commands and install/use utilities and applications.
- Give students the skills to prevent/correct system problems.

Student Learning Outcomes:

At the end of this course, students will be able to

- Use and customize the BASH shell.
- Perform the major steps necessary to boot a system.
- Understand that processes are programs that are executing on the system.
- View and modify user and group account information.
- Troubleshoot and fix common problems.

Methods of Measuring Student Learning Outcomes:

- The student will demonstrate knowledge of the Linux operating system through class discussions and achievement on quizzes and a final examination.
- The student will demonstrate their competence level with Linux by completing exercises during the semester.

Student Obligation:

- **Attendance**: If you need to miss a class, you are responsible for the material covered. I do not penalize you directly for missing a class, but sometimes there are in-class activities that maybe difficult to makeup. I will take attendance during class. Please realize that I cannot possibly review the entire contents of class with you in ten minutes. You should find a "buddy" who is willing to share notes with you if you have to miss lecture. ***If you miss two classes you may be dropped from the class at my discretion.***
- **Late Work**: In general, late work will be accepted the next class meeting from the original due date; however, late assignments will have 20% taken off. All assignments are due on the due date located in the **SCHEUDULE** portion of this handout.
- **Homework**: Students are expected to do their own work. This rule does not mean that you cannot discuss assignments and problems with fellow students. In fact, working together is encouraged. However, once you have worked together, do your own work. Copying all or parts of homework assignments is expressly forbidden. Violation of this rule will result in a zero for ALL parties involved.
- **Assignments**: There will be seven homework assignments for the class. The due dates are located in the **SCHEUDULE** portion of this handout. All work must be completed and turned in before or during the last class period. Make sure your name and assignment/project number appear on your work submitted.
- **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 CRC Regulation # 2441).
- **Email**: Every student will be required to have an email account.

- **Email 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.

- **Blackboard:** This class utilizes a product called "Blackboard." 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 Blackboard. *I hope your experience with the product is an enjoyable one, and I hope that you feel it aids your educational experience*.

Grading:

Course Topic		Points	Approximate % the of Grade
Attendance		30	8
Homework Assignments (5)		125	35
Quizzes (5)		125	25
Exams (1)		170	32

Point System:

There are 450 total assigned points.

Grade Ranges:

A = 403-450, B=358-402, C=313-357, D=268-312, F=0-267

Schedule: (can change over the course of the semester)

	Day:		Topics:	Chapters:	Work Due:
Week 10 Lecture 1	Saturday	(10/23)	Working with the BASH shell	8	
Week 11 Lecture 2	Saturday	(10/30)	System initialization	9	HW #1
Week 12 Lecture 3	Saturday	(11/6)	Managing system processes	11	HW #2
Week 13 Lecture 4	Saturday	(11/13)	Printer and log file administration	12 + 13	HW #3
			User, group, and file administration		
Week 14 Lecture 5	Saturday	(11/20)	Compression, backup, and software installation	14	HW #4
Week 15	Saturday	(11/27)	No class – Thanksgiving Recess		
Week 16 Lecture 6	Saturday	(12/4)	Troubleshooting and performance monitoring	15	HW #5
Week 17	Saturday	(12/11)	Final Exam		