

Sul Ross State University - A Member of  
The Texas State University System

CS2360-Linux  
Spring, 2016

Instructor: Dr. Rafael Azuaje  
Office: ACR 201  
Office Hours: TBA  
Phone: 432-837-8068  
E-mail: [razuaje@sulross.edu](mailto:razuaje@sulross.edu)  
Web site: <http://faculty.sulross.edu/razuaje/>  
Office Hours: TBA

**Textbook:** Linux+ Guide to Linux Certification, 4th Edition, Jason W. Eckert triOS College

ISBN-10: 1305107160 | ISBN-13: 9781305107168

### Course Objectives

This course is intended for students who want to learn about the Linux operating system and prepare to pass the Linux+ certification exam from CompTIA (Powered by LPI). It does not assume any prior knowledge of Linux and is geared toward those interested in systems administration as well as those who will use or develop programs for Linux systems. The course provides comprehensive coverage of topics related to Linux certification, including Linux distributions, installation, administration, X-Windows, networking, and security.

Specific topic coverage includes:

- Introduction to Linux
- Linux Installation and Usage
- Exploring Linux Filesystems
- Linux Filesystem Management
- Linux Filesystem Administration
- Advanced Installation
- Working with the BASH Shell
- System Initialization and X Windows
- Managing Linux Processes
- Common Administrative Tasks
- Compression, System Backup, and Software Installation
- Network Configuration
- Configuring Network Services
- Troubleshooting, Performance, and Security

### Grading and Evaluation Criteria:

Letter grades will be determined using a standard percentage point evaluation as outlined below.

A 90 - 100 points  
B 80 - 89 points  
C 70 - 79 points  
D 60 - 69 points  
F Below 60 points

The final grade will be computed on the following weights:

Exam 1 (based on chapter 1 & 2) = 15% of your grade  
Exam 2 (based on chapter 3 & 4) = 15% of your grade  
Exam 3 (based on chapter 5 & 6) = 15% of your grade  
Exam 4 (based on chapter 7 & 8) = 15% of your grade

Final Exam (based on chapter 9 &10) = 20% of your grade  
 Assignments = 15% of your grade  
 Participation = 5% of your grade  
 Total Points 100

**Course Policies:**

Exams, quizzes and assignments: **NO MAKE-UPS ARE ALLOWED**, unless medical or extreme conditions are present.

**Academic dishonesty**

You are expected to do your own work on all assignments, exams, quizzes, and projects. Any dishonest work will be penalized with a grade of zero.

**Attendance**

Any student who accumulates 5 absences will be automatically dropped from this course.

**Need for assistance**

Qualified students with disabilities needing academic or other accommodations to ensure full participation in the programs, services and activities at Sul Ross State University should contact the Disabilities Services Coordinator, in Counseling and Prevention Services, Ferguson Hall 112, Box C- 117, Alpine, Texas 79832.

**Posting of Grades**

As soon as assignments, exams, and quizzes are graded, the grades will be posted in Blackboard.

## Course Outline

Week	Topics	Chapter Readings	Exams
1	Introduction to Linux	Chapter 1	
2	Linux Installation and Usage	Chapter 2	
3	Exploring Linux Filesystems	Chapter 3	
4	Linux Filesystem Management	Chapter 4	
5	Linux Filesystem Administration	Chapter 5	
6	Advanced Installation	Chapter 6	
7	Working with the BASH Shell	Chapter 7	Mid-term Exam
8	System Initialization and X Windows	Chapter 8	
9	Managing Linux Processes	Chapter 9	
10	Common Administrative Tasks	Chapter 10	
11	Compression, System Backup, and Software Installation	Chapter 11	
12	Network Configuration	Chapter 12	
13	Configuring Network Services	Chapter 13	
14	Troubleshooting, Performance, and Security	Chapter 14	Final Exam