TEXARKANA COLLEGE

Syllabus: UNIX Operating System I
Course Number: ITSC 1307
Semester & Year:
Instructor Information

Name: Bart Upchurch
Office: Media Center 174
Telephone: 903-823-3246, 903-490-7354 (cell)
E-mail: bart.upchurch@texarkanacollege.edu
Office Hours: Monday – Friday, 9:00am – 4:00pm by appointment

Textbook Information

The Debian Administrator's Handbook (Debian Buster from Discovery to Mastery),
Raphael Hertzog and Roland Mas
https://debian-handbook.info/

Course Description

This course is listed as UNIX Operating System I in the Texas Academic Course Guide Manual (ACGM). The course will cover the concepts identified for that course using the Raspbian Linux operating system. From the ACGM:

Introduction to the UNIX operating system including multi-user concepts, terminal emulation, use of system editor, basic UNIX commands, and writing script files. Includes introductory system management concepts.

Student Learning Outcomes for the Course

Upon successful completion of the course you will be able to:
- Use basic UNIX commands.
- Apply terminal emulation.
- Use a system editor.
- Manage individual user accounts and files.

Student Requirements for Completion of the Course and Due Dates

Students are expected to attend all class sessions and complete assigned labs. The class will loosely cover material found in the chapters, but we will be deviating from the main flow as necessary to fit learning objectives of the class.

Week	Material to be covered
1	Syllabus and course requirements, Introduction to Raspberry Pi
2	Introduction to UNIX, Linux, Debian, and Ubuntu
3	Installation
4	Shell and Basic Commands, Filesystem Hierarchy
5	Packaging System, Maintenance and Updates
6	Solving Problems and Finding Relevant Information
7	Basic Configuration: Network, Accounts, Printing… Part I
8	Basic Configuration: Network, Accounts, Printing… Part II
9	UNIX Services Part I

10	UNIX Services Part II
11	Network Services
12	Workstation
13	Security Part I
14	Security Part II
15	Review & Raspberry Pi Project Presentations
16	Final Exam

Student Assessment & Grading Scale

Students will be assessed on successful completion of the assigned materials. Assessments will consist of online examinations and hands-on labs.

Percentage	From
60%	Exams
30%	Hands-On Labs
10%	Raspberry Pi Project

Grade	
A	90-100
B	80-89
C	70-79
D	60-69
F	59-below

Attendance Policy

Students who have 2 weeks of non-participation will be dropped from the course. After that date drops with a grade of "W" will no longer be given.

Make-up Policy

The student is responsible for work missed because of illness, school business, religious holidays, military service or other circumstances and must make arrangements with their instructor prior to their absences. No incomplete grades will be given for failure to attend and participate.

Academic Integrity Statement

Scholastic dishonesty, involving but not limited to cheating on a test, plagiarism, collusion, or falsification of records will make the student liable for disciplinary action after being investigated by the Dean of Students. Proven violations of this nature will result in the student being dropped from the class with an "F".

This policy applies campus wide, including TC Testing Center, as well as off-campus classroom or lab sites, including dual credit campuses. This information can be found in the Student Handbook at https://texarkanacollege.edu.

Basic Needs Security Statement

Any student who has difficulty affording groceries or accessing enough food to eat every day, or who lacks a safe and stable place to live and believes this may affect their performance in this course or ability to remain in school, is urged to contact Tonja Blase, Director of Student Retention, at 903.823.3349 for support. Furthermore, please notify the professor if you are comfortable in doing so.

Disability Act Statement:

Texarkana College complies with all provisions of the Americans with Disabilities Act and makes reasonable accommodations upon request. Please contact Tonja Blase at 903.823.33349, or go by the Testing Center located in the Library for personal assistance.

If you have an accommodation letter from their office indicating that you have a disability which requires academic accommodations, please present it to me so we can discuss the accommodations that you might need for this class. *It is best to request these changes at the beginning if not before the start of class* so there is ample time to make the accommodations.

Financial Aid:

Attention! Dropping this class may affect your funding in a negative way! You could owe money to the college and/or federal government. Please check with the Financial Aid office before making a decision.