CSE 360: Script Programming

Instructor: Ken Han, MS
Email: khan@csusb.edu
Office: UH-045
Phone: 909-537-7598
Office Hour: TR 9:00-10:00 or by appointment
Class Days/Time: TR 6:00-6:50, 7:00-8:50
Classroom: JB356

Goals
This course will boost your bash scripting and Linux skills. You will learn to use powerful UNIX tools to avoid writing long programs. We will be covering the standard commands used in everyday systems administration and Bash script programming skills.

Prerequisites
You need to have been using Linux for at least one quarter. You should be able to send me electronic mail without help at the start of the class. You need to be able to know how to reach pages on the WWW. CSE201.

Text: UNIX Power Tools. 3rd Edition
You will be using it a lot. Start with a quick trip through the contents, the first section, and the index. From then on read as you need by schedule (the reading schedule below).

Reference book: Pro Bash Programming

Reading Schedule: UNIX Power Tools. 3rd Edition (UPT) and Learning the Bash Shell (PBP)

WEEK	CHAPTER: UNIX Power Tools (UPT)	CHAPTER: Learn Bash Shell (PBP)
1	1-5	1
2	6-10	2
3	11-15	3
4	16-20	4
5	21-25	5
6	26-30	6
7	31-35	7
8	36-40	8
9	41-45	9
10	46-50	10-11

Assignment: Questions
Make 20 multiple choice questions (4 multiple choices question only, true/false questions are NOT accepted) from assigned chapters and submit them by web. Answers should be ordered in random manner.

WEEK	CHAPTER (UPT)	DUE
1	1-5	TUESDAY
2	6-10	TUESDAY
3	11-15	TUESDAY

4	16-20	TUESDAY
5	21-25	TUESDAY
6	26-30	TUESDAY
7	31-35	TUESDAY
8	36-40	TUESDAY
9	41-45	TUESDAY
10	46-50	TUESDAY

Assignment: Scripting

Student has to write a bash script using the tools (Unix commands) and examples from the assigned chapters below and submit the bash script you wrote every week (TUESDAY).

WEEK	CHAPTER	DUE
1	PBP: 1-2	TUESDAY
2	PBP: 3-4	TUESDAY
3	PBP: 5-6	TUESDAY
4	PBP: 7-8	TUESDAY
5	PBP: 9-10	TUESDAY
6	PBP: 11	TUESDAY
7	PBP: 12	TUESDAY
8	PBP: 13	TUESDAY
9	PBP: 14	TUESDAY
10	PBP: 15	TUESDAY

Laboratory: There will be a hands-on Lab each week. Student must attend lab sessions and submit lab report each week.

WEEK	LAB	DUE
1	LAB 1	THURSDAY
2	LAB 2	THURSDAY
3	LAB 3	THURSDAY
4	LAB 4	THURSDAY
5	LAB 5	THURSDAY
6	LAB 6	THURSDAY
7	LAB 7	THURSDAY
8	LAB 8	THURSDAY
9	LAB 9	THURSDAY
10	LAB 10	THURSDAY

Presentation and Term Project:

Group of two or three students implement a project assigned and present the project to the class by schedule below. Student has to submit a PowerPoint and Step-by-step implementation documentation.

WEEK	TUESDAY	THURSDAY
6	TOPICS Assignment, DATE Selection	
8	TEAM 1 and 2	TEAM 3 and 4
9	TEAM 5 and 6	Campus Closed
10	TEAM 7 and 8	TEAM 9 and 10

Attendance:
Attendance is required (This course emphasizes hands on experiences).
A student is responsible for contacting the lecture instructor as soon as possible for providing a satisfactory explanation for missing class, lab, exam or work due to illness or other serious and compelling reasons; documentation evidence is required. Otherwise, missed exams or work will be counted as 0%.

Assignments and Grading Policy
Percentages:

	Percent
Homework Assignment: Questions	15%
Homework Assignment: Scripts	5%
Lab Assignment: Report	20%
Presentation and Term Project:	10%
Attendance	10%
Midterm Exam	20%
Final Exam	20%

Grading Criterion:

Percent	Grade	Percent	Grade
94-100	A	73-75	C
90-93	A-	70-72	C-
86-89	B+	66-69	D+
83-85	B	63-65	D
80-82	B-	60-62	D-
76-79	C+	00-59	F

University Policies

Academic Integrity
Students are expected to be familiar with the University's Academic Integrity Policy. Refer to the "Academic Regulations and Procedures" in the CSUSB Bulletin of Courses for the university's policies on cheating and plagiarism. Instances of academic dishonesty will not be tolerated. Cheating on exams or plagiarism (presenting the work of another as your own, or the use of another person's ideas without giving proper credit) will result in a failing grade and sanctions by the University. For this class, all assignments are to be completed by the individual student unless otherwise specified.

Support for Students with Disabilities
If you are in need of an accommodation for a disability in order to participate in this class, please see the instructor and contact Services to Students with Disabilities at (909)537-5238.

May you have fun, work hard, and not know the difference.