CIS 18A Introduction to UNIX/Linux

Credit: 4.5 units

Instructor: Ed Ahrens, ahrensedward@fhda.edu

Lecture: Monday and Wednesday 9:30 – 11:20, AT 204
Lab: Mondays 1:30 – 2:45 in main lab, AT 203
Office Hours: Mondays and Wednesdays 9:00 – 9:30 in main lab, AT 203

Course Description: Introduction to the features of the UNIX/LINUX operating system including text editing, text file manipulation, electronic mail, Internet utilities, directory structures, input/output handling, and shell features.

Upon successful completion of the course students will be able to:

Use the Unix/Linux Operating System utilities and shell features for basic file manipulation, networking, and communication.

Recommended Text: A Practical Guide to Linux Commands, Editors, and Shell Programming, 3rd Edition, by Mark G. Sobell, Pearson ©2013, ISBN-10: 013308504X | ISBN-13: 9780133085044

Evaluation: Assignments   120 points, 60%

Examinations   20 point midterm, 10%
                      40 point fina,l 20%

Attendance/Participation   20 points, 10%

During a quiz or examination do not look at anyone else's work.
Laboratory work must be your own work to the following extent:

1. Do not post your work on-line where others can copy it.

2. Do not copy anyone else's machine readable file.

3. Do not key anyone else's listing into the machine.

4. **DO LOOK AT OTHER STUDENTS WORK AND SHOW THEM YOURS**.

5. As long as you are not copying other's work, discussion and exchange of ideas is strongly encouraged.

6. Be cooperative; give and receive suggestions.

Academic Integrity is required. Violation of any of the above requirements, or any other academic integrity violation, will usually result in a grade of 0 being given for the work involved and the possibility of a grade of F being given for the course.

Policies:

1. Students may arrange for a Pass/No Pass grade option in Admissions and Registration Office
2. Late lab assignments will only be accepted before the subsequent lab is due. A 10% penalty will apply to late labs.
3. Make up exams may only be scheduled in advance, and only in exceptional circumstances.
4. Three unexcused absences **may** result in your being dropped from the class, however, it remains the student's responsibility to initiate the drop process

Final grade:

% of total points	Grade
98% or above	A+
92% - 97%	A
90% - 91%	A-
88% - 89%	B+
82% - 87%	B
80% - 81%	B-
78% - 79%	C+
70% -77%	C
Not Given	C-
68% - 69%	D+
62% - 67%	D
60% - 61%	D-
Not Given	F+
below 60%	F
Not Given	F-

Date	Topics	Week	Chapters	Labs Due*
Jan 4/6	Intro, login/logoff, basic commands	1	1 and 2	
Jan 11/13	Basic commands and command structure	2	2	1
Jan 18	Holiday, Martin Luther King Birthday	3		
Jan 20	Files and file system	3	3 and 4	
Jan 25/27	Files and file system cont., Editing, vi and vim	4	3, 4 and 6	2
Feb 1/3	Filetypes	5	4	
Feb 8/10	Links	6	4	3
Feb 15	Holiday, George Washington Birthday	7		
Feb 17	Permissions, Midterm Exam	7	4	
Feb 22/24	Communication	8	3	4
Feb 29 Mar 2	Shells	9	5	
Mar 7/9	Filters	10	5	5
Mar 14/16	Regular expressions	11	5	
Mar 21	Final Exam 9:15 – 11:15	12	5	6

*Labs are submitted electronically through Catalyst, and are **due by 6:00PM Thursday** of the week assigned note that lab 6 is due on Monday, 3/21, the day of the Final Exam