CIS 18A Introduction to UNIX/Linux

Credit: 4.5 units

Instructor: Ed Ahrens, ahrensedward@fhda.edu

Lecture: Monday and Wednesday 1:30 – 3:20, AT 311
Lab: Wednesdays 11:30 – 12:45 in main lab, AT 203
Office Hours: Mondays and Wednesdays 9:00 – 9:30, AT 205

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 final 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*
Apr 6/8	Intro, login/logoff, basic commands	1	1 and 2	
Apr 13/15	Basic commands and command structure	2	2	1
Apr 20/22	Files and file system	3	3 and 4	
Apr 27/29	Editing, vi and vim	4	6	2
May 4/6	Filetypes	5	4	
May 13/15	Links	6	4	3
May 20	Permissions	7	4	
May 22	Permissions cont. **Midterm Exam**	7	4	
May 25	Memorial Day Holiday	8	No Class	
May 27	Communication	8	3	4
Jun 1/3	Shells	9	5	
Jun 8/10	Filters	10	5	5
Jun 15/17	Regular expressions	11	5	
Jun 22	Review for Final	12	1 - 6	
Jun 26	Final Exam 1:45 – 3:45	12		6

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