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.


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:

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<th>% of total points</th>
<th>Grade</th>
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<td>98% or above</td>
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<tr>
<td>92% - 97%</td>
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<td>90% - 91%</td>
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<td>88% - 89%</td>
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<td>82% - 87%</td>
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<td>80% - 81%</td>
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<td>70% - 77%</td>
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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.