

CIS 18B – Advanced Unix / Linux

Instructor Clare Nguyen
Office Hours M-Th: 8:30 – 9:20am Bldg. F5 (near parking lot C)
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Recommended Book *A Practical Guide to Linux Commands, Editors, and Shell Programming* by Sobell
ISBN: 978-0133085044

Website <https://catalyst.deanza.edu>
and on voyager: `/home/distribution/cnguyen/cis18b`

Course Objective Upon completion of the course, students will be able to:

- Use regular expressions, grep, and find to manipulate text files and directory trees
- Use sed and awk to process text files
- Use Unix / Linux utilities to convert and compress files
- Write, compile, build programs on the Unix / Linux platforms
- Download and set up a Linux distribution

Attendance This course has 2 sections that run concurrently: a hybrid section and an online section. Students in both sections can show up to the hybrid class meeting at any time in the quarter, and students in both sections should use the class forum on Catalyst for questions or comments during non-class time.

If you are registered for the *hybrid section*:

- the class meets on Tuesdays for class exercises and on Thursdays for quiz and lab time
- you should read the class notes *before* attending the lecture in order to do the class exercises during lecture
- in class you are expected to participate, not conduct personal conversation, and use the computer for class work only
- you will need to take the weekly online quiz and submit the lab assignment online

If you are registered for the *online section*:

- you should log in to the class website on Catalyst on a regular basis (at least twice a week) to catch all announcements and discussions
- you are responsible for all announcements and updates posted on Catalyst
- you should read the class notes and do the weekly class exercises, then check your answers with the solution that the hybrid section produces in class on Tuesdays
- you also need to take the weekly online quiz and submit the lab assignment online

For both sections, once enrolled, if you wish to drop the class, it is *your responsibility to drop the class before the last day to drop*. Otherwise, an appropriate grade will be assigned at the end of the quarter.

Scholarly Conduct Discussion and exchange of ideas on lab assignments are strongly encouraged. However, each person is expected to complete his/her own computer work. Identical solutions will be given a zero grade to all parties.

Copying or cheating during an exam will result in a zero being assigned to the test grade for both parties.

- Lab Assignments** There will be 5 lab assignments at 25 pts each. Each assignment is in 2 parts, one part per week, and both parts are turned in together every 2 weeks.
- You must turn in each lab assignment on Catalyst on time or before its due date. Partial credit will be given for incomplete labs.
 - If you cannot turn in the lab on time, late labs will be accepted. Labs submitted after the due date/time will receive a 20% *per weekday* penalty.
If the lab is due at 11:55pm on a Tuesday, then from 11:56pm Tuesday to 11:55pm Wednesday is 1 day late, and so on.
 - You can also turn in your lab before the due date.

- Exams** There will be 1 midterm and 1 final.
- All exams are on campus and you must bring a picture ID to the exam
 - Exams are open book, open notes, no electronic devices
 - You must pass the final exam in order to pass the class
 - Make up for the midterm will be allowed only with proof of emergency reasons or prior approval. Prior approval must be obtained at least the week before the scheduled exam, and the make up exam will be given *before* the scheduled exam. The final exam must be taken during the scheduled time, there is no early or late final exam taking.
 - Online section: make sure you check the calendar for the 2 times that you must be on campus

- Quizzes** There will be online weekly quizzes.
- The quizzes are 10 points each, the lowest score will be dropped
 - You must take the quiz before it is closed by Catalyst. There is no make up for the quiz after the quiz is closed because the solution to the quiz will be released by Catalyst immediately after the quiz closes.
 - It is recommended that you set your computer / phone to remind you to take the weekly quiz
 - The lowest quiz score will be dropped

Grading Grading is based on the percentage of the total points obtained:

Lab assignments:	125 points (5 assignments)
Quizzes:	80 points (quizzes 2-10, lowest score dropped)
Midterm:	100 points
Final:	150 points
Total:	455 points

A+: 97-100%	B+: 87-89%	C+: 77-79%	D+: 67-69%
A : 93-96%	B : 83-86%	C : 70-76%	D : 63-66%
A- : 90-92%	B- : 80-82%	D- : 60-62%	F : 0-59%