DE ANZA COLLEGE   **Spring 2015**
CIS 18C – Shell Programming

Instructor	Clare Nguyen
Office Hours	MW: 9:00 – 9:20am and TTh: 11:00am – 12:00pm Bldg. F5 (near parking lot C)
	MW: 10:45 – 11:30am AT 203 Lab

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Book (Optional)   *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/cis18c

Course Objective   Upon completion of the course, students will have learned the following concepts for the bash, Korn, and tcsh shells:
- Shell scripting concepts
- Script Input / Output
- Expressions, Decision / Looping / Control Constructs
- Shell Special Variables, User Defined Variables, Arrays
- String Manipulation
- Functions
- Signals

Attendance   There are 2 sections of this class that run in parallel: a hybrid section and an on-line section.
- Hybrid section: the class meets Mondays and Wednesdays, 11:30am – 12:45pm, in AT 204. Mondays are for lecture and coding exercises, and Wednesday are for individual lab and quiz questions. You are expected to read the class notes each week before Monday in order to prepare for the coding exercise in class.
- On-line section: you are expected to keep up with the reading, the coding exercises, the assignments, and the quizzes online each week. In addition, you need to log into Catalyst on a frequent basis for announcements and online discussions. You are welcome to drop by the hybrid section any time in the quarter.

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.

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

The 4 components of regular class work

1. Reading   The class notes are in power point format and represent the lecture portion of the class. In addition, there are weekly coding exercises on the voyager server. You need to work on the exercises each week because they demonstrate the concepts covered in the lecture notes. Solutions are posted each week.

2. Discussion   You have 2 ways to participate in discussions
- Show up to the class meeting time. This way is good for someone who benefits from the face-to-face interaction. Students in the hybrid section would most likely choose this way.
- Check the "Questions?" forum on a regular basis. You can ask questions, answer someone's question, or comment on the reading or assignments. This way is good for someone who cannot make it to the class meeting time, or for time outside of class.

3. Assignments   There will be 5 assignments, each is worth 25 points
- Assignments are submitted on the voyager Linux server
- You must submit an assignment *by its due time/date* to be considered on time. Partial credit will be given for incomplete assignments.
- If you cannot submit an assignment on time, late assignments will be accepted. Assignments turned in after the due date/time will receive a *20% per weekday penalty*.
- You can also submit your assignment before the due date. It won't be graded until after the due date when everyone has turned his/hers in.
- Once you submit your assignments, you can submit it again. The second copy will overwrite the first copy. If you already submitted a 'good' copy of your assignment before the due date, do not re-submit the again after the due date because it will have a timestamp after the due time.
- All due dates are shown in the class calendar, which is on the last class web page

4. Quizzes   There is a T/F quiz each week on Catalyst
- The lowest quiz score will be dropped
- There is no make up for the quiz because the solution is released as soon as the quiz is closed. It is highly recommended that you set your phone or calendar to send you reminders to take the quiz each week.

Exams   There is 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, but with no electronic devices
- 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.

Grading   Grading is based on the percentage of the total points obtained:
Lab assignments: 125 points (5 assignments)
Quizzes   90 points (10 quizzes, lowest quiz dropped)
Midterm: 100 points
Final: 100 points
Total: 415 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%	F : 0-59%
A- : 90-92%	B- : 80-82%		D- : 60-62%	