

CSC252 – UNIX Scripting and Administration

Instructor

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<http://faculty.kutztown.edu/frye>

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Course web site: <http://faculty.kutztown.edu/frye/secure/CSC252/>

Office Hours

Mon 12:30-3:00pm (1/21-2/21)

Tue 9:30-10:45am

Other times by appointment

Mon 2:00-4:30pm (2/24-5/2)

Thu 9:30-10:45am

COURSE INFORMATION

Meetings TH 8:00-9:20am. OM158.

Dates Last day 'W': 4/3. Final: week of 5/4.

Course Description This course deals with the study of the UNIX operating system, particularly, systems programming and administration. Under the former, such topics as UNIX commands, filters, shell scripts, system security, user accounts, system backup and rebooting, and associated utilities are studied. In addition, software procurement, and installation will be illustrated. Meaningful applications, which illustrate the topics, will be given. Prerequisites: CSC120 or CSC123 or CSC135

Course Objectives

- A. Define basic terminology used in UNIX and converse in terms common to UNIX.
- B. Explain the tasks associated with UNIX system administration.
- C. Demonstrate the ability to find, download, and install appropriate software, e.g., compilers, specialized servers, editors, and other utilities for the users.
- D. Understand the use of signals and pipes.
- E. Solve practical problems using various UNIX utilities.
- F. Demonstrate effective oral communication by presenting a UNIX topic.

Text A Practical Guide to Linux Commands, Editors, and Shell Programming
by: Mark G. Sobell; Fourth edition (978-0134774602)
Copy placed in Reserve Collection in library (can be used in library for a two-hour period)

COURSE GRADE

Grading Policy	Exams (4)	40%
	Final (comprehensive)	17%
	Assignments	40%
	Class Participation	3%

The University Scale will be used in determining letter grades. Plus/minus grading will be used. In order to receive a passing grade for the course, you must have a passing test average.

Readings It is expected that you will complete all readings and **be prepared to discuss them in class.**

Exams There will be four exams and a comprehensive final exam. Exams must be taken when scheduled unless I have approved an alternative time PRIOR to the scheduled time. Missed exams will be handled on an individual basis and will require written documentation for the absence. University policy will be followed. **Make-up for a missed exam will occur the last week of classes for the semester. It is the student's responsibility to schedule a time for any make-up exams!**

Assignments Assignments will be posted on the course web site or D2L. Late assignments will be accepted but will be penalized 10% for each calendar day it is late. All assignments must be **typed** and turned in via D2L or turnin. Assignments may be retained for program accreditation. Include the following information at the top of **ALL** assignments: **your name, your major, date, the course (CSC252), Dr. Frye and assignment number.**

POLICIES

Email The best way to contact me is by e-mail (frye@kutztown.edu). When sending me e-mail, please indicate the course number in the subject line by putting it in brackets before your subject. For example, if you are in 252, the following may be the subject:
[CSC252] Help with assignment #2

Documentation The computer science documentation standard must be followed for software assignments.
http://cs.kutztown.edu/pdfs/Documentation_Standard.pdf

Attendance Regular class attendance and participation are expected and highly encouraged. Students are responsible for all material covered in class.

Class Participation This course is intended to involve a lot of class discussion. Every student is expected to participate in the class discussions. Attendance, completed homework and doing the readings do not constitute class participation. Students must participate in the discussions, voluntarily. This include in-class discussions as well as online discussions via Piazza.

Academic Dishonesty All students should familiarize themselves with the [Computer Science Department Academic Integrity Policy](#). Any student copying work or giving work to another student will receive a zero for that assignment and will be referred to the department chairperson.

Classroom Etiquette Respect for your classmates, instructor, and the class is expected. Please come to class on time and prepared to learn. Coming and going during class should only occur in unavoidable situations. **Electronic devices should be neither seen nor heard** (unless used for class instructions, notes, etc.).

Students with Disabilities Students with diagnosed disabilities or special needs that require accommodations for this course must first contact the Disability Services Office, located in the Office of Human Diversity at 215 Stratton Administration Building. Do this as soon as possible so that we may have a dialogue as to your needs and the recommended accommodations.

Gender-Based Crimes Educators must report incidents of gender-based crimes, including sexual assault, sexual harassment, stalking, dating violence, and domestic violence. If a student discloses such incidents to me during class or in a course assignment, I am not required to report the disclosure, unless the student was a minor at the time the incident occurred. Regardless of the student's age, if the incident is disclosed to me outside the classroom setting or a course assignment, I am required by law to report the disclosure, including relevant details, such as the names of those involved in the incident, to Public Safety and Police Services and to Mr. Jesus Peña, Title IX Coordinator.

Note: This syllabus is subject to change at the discretion of the instructor.