

## Syllabus

**Instructor:** Li Feng, Ph.D., Battelle Hall Room 117A, phone (614)236-6605, email: [lfeng@capital.edu](mailto:lfeng@capital.edu), Office hours: Monday 1:30pm-2:30pm, Tuesday 8:30am-9:30am, Wednesday 8:30am-9:00am, Thursday 8:30am-9:30am, , 1:30pm-2:30pm, Friday 8:30am-9:00am and by appointment.

**Course meeting time:** Wednesday from 2:00pm to 2:50pm in BHSN 224. Students enrolled in this course are expected to engage in a minimum of two hours of out-of-class student work per credit hour per week related to the course (2 hours of out-of-class work per week).

**Course Description:** An introduction to the Unix operating system including: basic commands, editors, file structures, shell scripting and special topics (git).

### Student Learning Outcomes and Assessment

Objective 1: Learn a subset of Unix commands and its application. This develops logical reasoning skills.

Objective 2: Learn common Unix editors. This develops logical reasoning skills.

Objective 3: Learn shell scripting and use it efficiently and effectively. This develops critical thinking and problem solving skills.

Students who successfully complete the course will demonstrate a satisfactory level of competence with the following skills:

- (1) the ability to use Unix commands to perform complex tasks
- (2) familiar with common Unix editors
- (3) the ability to use shell scripting to solve problems

All the learning outcomes will be assessed through homework assignments, quizzes, exams, and in-class activities. The assessment tools will contribute to the final grade following the schemes:

Grading:

7 Quizzes	35%	Expected outside of class work	Hours
8 Assignments	40%	Reading	6
Final Exam (comprehensive)	20%	Labs and programming assignments	12
Class attendance and participation	5%	Reviewing for Quizzes and Final	12

Letter Grade:

Percent	Letter Grade	Percent	Letter Grade
93-100	A	77-79	C+
90-92	A-	73-76	C
87-89	B+	70-72	C-
83-86	B	67-69	D+
80-82	B-	60-66	D
		0-59	F

Grades will be posted in the Capital University course management system: iLearn.

### Required Reading and other Resources

*Textbook (Required)(Approximately 400 pages)*

Mark G. Sobell, A Practical Guide to Commands, Editors, and Shell Programming, Third Edition

### **Assignments and Examinations**

#### *Lab Assignments*

Assignments will be posted regularly using iLearn: <https://ilearn.capital.edu>. Assignments have to be done individually and submitted electronically as well as hardcopy in class. No code may be shared with others. Staying current with your assignments is essential for success in this course.

#### *Late Penalty*

10% late penalty per day will be applied for late assignments. Assignments won't be accepted after 3 days of the original due date.

#### *Exam*

There will be a **cumulative final exam** at the end of the semester. There will be **no makeup exams** (except for documented medical reason and highly unusual unexpected events).

Please refer to the "Tentative Course Calendar" for details.

### **Polices**

Students enrolled in this course are subject to all governing University and academic unit policies. These policies contain important information about academic integrity, plagiarism, attendance, drop dates, incomplete grades, grade disputes, refunds, and human dignity. It is the student's responsibility to review these policies that may be found in the following sources: Undergraduate Bulletin or associated graduate bulletin or unit student handbook, Code of Student Conduct and Academic Integrity, and Student Handbook. Students must turn off cell phones, computers, and other distracting equipment while class is in progress.

<http://bulletin.capital.edu/content.php?catoid=8&navoid=195>

Incidences of Academic Dishonesty will typically result in zero grades for the respective course components, notification of the student's advisor, the student's department chair, and the campus undergraduate studies office, and further academic sanctions may be imposed as well in accordance with the regulations. Note that those who allow others to copy their work are just as guilty of plagiarism and will be treated in the same manner.

#### *Attendance*

Regular attendance is required. Unexcused absence can adversely affect your grade, both directly and indirectly. When possible, please notify me in advance of any absence.

### **Academic Success**

The office of Academic Success (Blackmore Library, 2<sup>nd</sup> floor) assists all students in becoming more confident, independent lifelong learners. Provided services include the following:

- Content area **Peer Tutoring** for math, science, and most other subjects.
- A **Writing Center** that serves as a resource for students engaged in any stage of the writing process for assignments in any course.
- **Supplemental Instruction (SI)** in support of selected courses.
- **Academic Coaching** to assist students with developing strategies for time management, organization, test preparation and test-taking strategies, goal setting, registration system navigation, reading degree audits, course sequencing, and more.
- **Online eTutoring** ([www.etutoring.org](http://www.etutoring.org)) for accounting, algebra, anatomy & physiology, calculus, chemistry, math, physics, statistics, and writing.

- **Testing services** to assist the Office of Disability Services in implementing testing accommodations for registered students.

Students can schedule an appointment ahead of time by calling Academic Success at (614) 236-6327, emailing [AcademicSuccess@capital.edu](mailto:AcademicSuccess@capital.edu), or stopping by our learning center on the second floor of Blackmore Library. Appointments can also be scheduled by logging into [tutortrac.capital.edu](http://tutortrac.capital.edu). For additional information about Academic Success programs and services, contact Director Bruce Epps at [bepps@capital.edu](mailto:bepps@capital.edu) or (614) 236-6461. You can also follow us on Twitter and Instagram @CapitalUSuccess for updates and information.

### **Disability Services**

Capital University is committed to providing reasonable accommodations for students with disabilities. If you are seeking academic accommodations, you are required to register with the Office of Disability Services (ODS). To receive academic accommodations for this class, please register with ODS and meet with me at the beginning of the semester. Further information may be obtained by contacting Dr. Jennifer Speakman, Assistant Provost and Disability Services Director, by email ([jspeakman@capital.edu](mailto:jspeakman@capital.edu)) or by telephone (614.236.7127). This syllabus is available in alternate format upon request.

### **Title IX – Sexual Harassment, Discrimination, and Misconduct**

Capital University is committed to ensuring a safe environment free of discrimination on the basis of sex, including sexual misconduct and harassment. If you have experienced an incident of sex or gender-based discrimination, harassment, or sexual misconduct, we encourage you to report it. Capital University faculty are committed to supporting students, however, please understand that faculty are “responsible employees” of the University and must report incidents of sex- or gender-based discrimination, harassment, and sexual misconduct to the Title IX Coordinator, Dr. Jennifer Speakman. If you would like to make a confidential report, please refer to Capital University’s Sex- or Gender-Based Discrimination, Harassment, and Sexual Misconduct policy for more information on reporting options: <http://www.capital.edu/Title-IX-and-Sexual-Harassment/>.

### **Course Calendar**

See appendix “Tentative Course Calendar.”

### **Document History:**

Reviewed by Math, Computer Science and Physics Department Date: 05/08/2017

Approved by Math, Computer Science and Physics Department Date: 05/08/2017

Credit hour Policy and Syllabus Format 2012/04/24

## CS 170 Introduction to UNIX

Spring Semester 2020 – Capital University

### Tentative Calendar and Assignments

Check iLearn for latest official due dates for all assignments, quizzes, and exams

1st	W	Jan 8	Welcome to CS 170 and course information
2nd	W	Jan 15	Introduction to Unix ( <i>Assignment 1</i> )
3rd	W	Jan 22	Unix Commands ( <i>Quiz 1 and Assignment 2</i> )
4th	W	Jan 29	Unix Commands ( <i>Assignment 3</i> )
5th	W	Feb 5	Unix common editors ( <i>Quiz 2 and Assignment 4</i> )
6th	W	Feb 12	Unix file structures ( <i>Assignment 5</i> )
7th	W	Feb 19	Using git ( <i>Quiz 3 and Assignment 6</i> )
8th	W	Feb 26	Mid Semester Break (no class)
9th	W	Mar 4	Git lab ( <i>Quiz 4</i> )
10th	W	Mar 12	Shell scripting( <i>Assignment 7</i> )
11th	W	Mar 18	Shell scripting ( <i>Quiz 5</i> )
12th	W	Mar 25	g++, make ( <i>Quiz 6 and Assignment 8</i> )
13th	W	Apr 1	Review ( <i>Quiz 7</i> )
14th	W	Apr 8	<b>Final Exam</b>

Total time dedicated outside the classroom to this course = 30 hours (estimate)

March 13<sup>th</sup>: Last day to withdraw from a full-term course or use the P/F option.