

CSCE 215: UNIX/Linux Fundamentals

Instructor: William Hoskins

1 Course Information

Term: SPRING 2024

Course Duration: 08/20/2024 - 12/06/2024

Lecture Times:

USC Columbia Campus - Swearingen Engineering Center - Room 1C01
Mondays 1:10 PM - 2:00 PM

Lab

USC Columbia Campus - Swearingen Engineering Center - Room 1D43

Lab Access:

Swearingen 1D43 - OPEN 24/7 - Code: **1-5-2-3-4**
<https://cse.sc.edu/resources/cse-linux-workstations>

1.1 Personnel

Instructor: William Hoskins

Email: hoskinsw@cec.sc.edu

Office Hours:

Table 1: Office hours by appointment via Microsoft Teams.

1.2 Course Website

All course materials and announcements will be hosted on the course's Blackboard:

<https://blackboard.sc.edu/>

Please ensure that you can access this website and the course appears. All assignments will also be submitted here. **Emailing me is NOT submitting.**

2 Course Structure

NOTE: Emailing is NOT submitting. All work should be submitted on the course Blackboard <https://blackboard.sc.edu/>

Lab Assignments will be short assignments that should be able to be completed in the lab's duration before leaving. However, if students are not able to finish their lab before leaving, they may work on the lab outside of the class until the end of the day on Friday night for full credit. These assignments will practice what is taught during the lecture and encourage students to ask questions about what was covered. Lab assignments are weighted lower in the class to allow students to practice and develop their UNIX/Linux skills. The lowest lab grade will be dropped.

Homeworks will be assigned for completion outside of the course's lecture/lab. These homework assignments will entail writing short reports/summaries about researching certain commands online to accomplish a certain task. Students ***MUST*** cite the resources they use to find their answers. Failure to cite resources may result in a penalty.

The **final lab** will be a cumulative lab that evaluates students' understanding of material throughout the course. It will count as 2 labs.

3 Course Objectives

Course Description: UNIX operating system, user-level system commands, and programming tools. UNIX scripting languages.

Course Outcomes: Students will be able to:

1. Use the user-level tools available in the UNIX operating system to run and build software and programs.
2. Describe and traverse the UNIX file system.
3. Describe and use UNIX processes, pipes, signals, and filters.
4. Automate tasks using appropriate scripting languages.
5. Utilize regular expressions and related tools to search and modify text.

4 Grading Scale

NOTE: *YOU* are responsible for your grade. All grades are rounded up (a 89.99 is rounded to an A, a 89.01 is also rounded up. A 89.0 is not rounded up)

Letter	Score
A	$score \geq 90\%$
B+	$85\% \leq score < 90\%$
B	$80\% \leq score < 85\%$
C+	$75\% \leq score < 80\%$
C	$70\% \leq score < 75\%$
D	$60\% \leq score < 70\%$
F	$score < 60\%$

Type	Percentage
Labs	60%
Homework	20%
Final Exam	20%

5 Course Policies

5.1 Academic Integrity

Honesty and integrity are integral components of any work, whether personal, academic, or professional. All students are required to practice the utmost level of academic integrity. Any dishonesty, however minute, will not be tolerated. Any probable instances of academic dishonesty will be reported to the Office of Student Conduct and Academic Integrity for further investigation. Students are required to follow all bylaws defined in the USC Code of Conduct and Honor Code.

All work that you perform in the class, regardless of type, should be your own work. Unless clearly defined as group work, all work in the class must be performed individually. Any resources used to perform your work should be properly cited when used. That is, if you use a website, book, or etc. for any assignment, you must cite it along with what portions of the resource you used.

For more information about academic integrity and the USC Honor Code visit:

<http://sc.edu/academicintegrity>

The first academic penalty for students found responsible for violating academic integrity expectations will be assigned a grade of zero on the respective assignment and their final grade will be decreased by one letter grade. Any instances thereafter will result in a failing grade for the entire course.

5.2 Attendance

Attendance for the course is not required. You are expected to keep up with the work but attendance isn't taken in class or lab.

5.3 Late Assignments and Assessments

Late assignments are always accepted, as are make up assignments.

5.4 Disability Accommodations

Disability accommodations can be requested for the course via proper documentation and notification provided by the University of South Carolina's Student Disability Resource Center (SDRC). Disability accommodations must be approved by the SDRC and the request should be submitted through the SDRC student portal.

For more information please go to:

https://sc.edu/about/offices_and_divisions/student_disability_resource_center

5.5 Course Help

Multiple resources are available if you require additional assistance to understand the material taught in the course. For disability accommodations please see Section 5.4: Disability Accommodations. This section only applies to non-disability-related accommodations.

Outside of Instructor and TA office hours, you can find help with this course in multiple locations including but not limited to: the internet, your CSE peers, and the Student Success Center at USC. If you need additional assistance with the course please reach out as soon as possible. It is your responsibility to reach out to me or the TAs if you need additional help with the course. We will do our best to assist or guide you to the right place for help.

Here are some helpful links and resources:

- https://sc.edu/about/offices_and_divisions/student_success_center/
- The Internet! - Search “command in bash” or “how to ... in Linux”

6 Policy Changes

This document's structure and content are subject to change at the instructor's discretion.
