**Fayetteville Technical Community College**

**SYLLABUS**

**Spring 2020**

**Course:**

NOS 120 Section 5H01 - Linux/Unix Single User

Day(s) and Time(s): Mondays & Wednesdays, 1:00 PM – 2:50 PM

Class Begins: 1/13/20 Class Ends: 5/13/20

# To Contact the Instructor

Instructor: Rhiannon Holley

Office Location: General Classroom Building 202R

Office Hours: Monday: 12:00 – 12:50

Tuesday: 3:00 – 3:50

Wednesday: 8:00 – 9:50

Thursday: 3:00 – 3:50

Phone: 910-486-7309

Email: [holleyr@faytechcc.edu](mailto:holleyr@faytechcc.edu)

# To Contact the Department/Division Chair:

Department Name: Systems Security & Analysis

Department Chair: Chris Herring

Office Location: GCB 202T

Phone: 910-678-8509

Email: [herringc@faytechcc.edu](mailto:herringc@faytechcc.edu)

# To Contact the Dean

Dean: Tenette Prevatte

Office Location: GCB 215A

Phone: 910-678-7353

Email: prevattt@faytechcc.edu

# Course Description:

# This course develops the necessary skills for students to develop both GUI and command line skills for using and customizing a Linux workstation. Topics include Linux file system and access permissions, GNOME Interface, VI editor, X Window System expression pattern matching, I/O redirection, network and printing utilities. Upon completion, students should be able to customize and use Linux systems for command line requirements and desktop productivity roles.

# Course Prerequisites: None

# Course Co-requisites: None

# Class Hours: 02 Lab Hours: 02 Credit Hours: 03

# Course Objectives:

Upon successful completion of the course, you will have an understanding of the following topics:

1. Getting Started with Red Hat Enterprise Linux
2. Accessing the Command Line
3. Managing Files From the Command Line
4. Getting Help in Red Hat Enterprise Linux
5. Creating, Viewing, and Editing Text Files
6. Managing Local Linux Users and Groups
7. Controlling Access to Files
8. Monitoring and Managing Linux Processes
9. Controlling Services and Daemons
10. Configuring and Secure SSH
11. Analyzing and Storing Logs
12. Managing Networking
13. Archiving and Transferring Files
14. Installing and Updating Software Packages
15. Accessing Linux File Systems
16. Analyzing Servers and Getting Support

# FTCC General Education Core Competencies:

1. Communicate effectively using the conventions of American Standard English in professional and academic environments.
2. Use critical thinking to analyze problems and make logical decisions.
3. Demonstrate socialization skills that support cultural awareness and a global perspective.
4. Demonstrate quantitative competencies.
5. Demonstrate computer literacy.

# Required Textbooks:

Red Hat System Administration I

Student Workbook

RH124-RHEL8.0-en-1-20190531

Information about textbook purchases may be found at [https://bookstore.faytechcc.edu](https://bookstore.faytechcc.edu/) (opens in a new window).

# Other Required Materials/Software:

To access your Blackboard course site, you will need access to the internet. For best results, use Mozilla Firefox, Google Chrome, or Safari in the most updated version. Keep in mind that if you have difficulties connecting to the class or a slow connection, the problem could be occurring at many levels. Blackboard Technical Support is available at any time, seven days a week by calling 1-888-829-9660.

This class uses NDG web based labs that you can access with a number of browsers. FTCC recommends using Mozilla Firefox if possible to complete these labs.

Microsoft Office 365 (Office 2016) is available to currently enrolled students at FTCC. The Microsoft Office 2016 app is available for download on up to five (5) computers and/or mobile devices. Direct link to download Office 365: [https://login.microsoftonline.com](https://login.microsoftonline.com/) (opens in a new window).

Username: FTCCWebadvisorLogin@ad.faytechcc.edu (example: Smithj1234@ad.faytechcc.edu). Password: Active Directory (WebAdvisor) password (if you have not created an Active Directory (WebAdvisor) password, you will need to do this first).

# Computer Access:

It is highly recommended that you have reliable computer access, via a home or public computer with internet access. Open computer labs are available in multiple locations on campus.

# Technical Skill Requirements:

You should be comfortable with the following:

* Using a word processor (changing font, spell check, etc.).
* Using Microsoft Office Suite.
* Using email for communication, including attaching a file.
* Navigating the internet using search engines.

# Course Interaction:

## Student Responsibilities:

1. Required enrollment assignment. I will complete the enrollment activity by the posted ten percent date of the course. The date is clearly posted in the Blackboard Site. Failure to complete this activity could result in being dropped from the course.
2. I will ask questions directly and immediately if I do not understand the instructions or due dates for an assignment.
3. I will organize my time in a way that allows me to thoughtfully and thoroughly complete assignments.
4. I will be responsible for keeping up with when assignments are due and submitting them on time or before they are due.
5. I understand that technical problems related to computer connections or equipment cannot be used as an excuse for failure to complete assignments or to participate online.
6. I understand that technical problems with email require that I contact the FTCC Help Desk at 910-678-8502 for technical support.
7. I understand that technical problems with Blackboard require that I contact Blackboard Technical Support, which is available at any time, seven days a week by calling 1-866-829-9660.
8. I will fully participate in course activities by being prepared and interacting respectfully with my classmates and instructor. I understand that participation in all course components is a requirement of this course and that it counts toward my grade.

## Instructor Responsibilities:

1. Instructors will respond to emails and phone calls within 24 hours, Monday through Friday; within 48 hours on weekends and holidays.
2. Instructors will lead and participate in all discussion assignments.
3. Instructors will post grades and provide feedback within 5-7 days.
4. Instructors will observe regularly scheduled office hours.

## Attendance–Time Commitment:

Attendance is essential for maintaining the best learning environment in all course formats. Attendance may be taken separately in each portion of a course (i.e., class, lab, clinic, online). Missing 20% of any portion of a course may result in administrative withdrawal. Special attendance policies are in effect for certain programs (refer to the current FTCC Student Handbook).

# Evaluation Techniques:

Your grade in this course will reflect the execution, submission, and quality of the work you produce. Letter grades will be determined on the following weighted categories:

| **Categories** | **Weight** |
| --- | --- |
| NDG Guided Exercise | 10% |
| Module Quizzes | 20% |
| NDG Netlab Labs | 60% |
| Comprehensive Review | 10% |

# Grading Scale:

FTCC grades are based on a 4.0 grading system. Each grade is assigned a “grade-point equivalent” in quality points for each term credit hour scheduled. The grade point average (GPA) is determined by dividing the total of quality points earned by the number of term hours scheduled.

| Numerical Grade | Letter Grade Equivalent | Grade Point Equivalent |
| --- | --- | --- |
| 90-100 | A-Excellent | 4 grade points per credit hour |
| 80-89 | B-Good | 3 grade points per credit hour |
| 70-79 | C-Average | 2 grade points per credit hour |
| 60-69 | D-Below Average | 1 grade point per credit hour |
| 0-59 | F-Failure | 0 grade point |

The complete grading scale description may be found in the current FTCC Student Handbook under “Academic Information.”

# Make-up Policy:

Late academic work submission procedures are as follows:

1. Academic assignments and projects are due by the scheduled/published dates.
2. In general, there is a 30 percent penalty any assignments submitted after the due date. Assignments may be submitted no more than one week late without prior approval from your instructor.
3. No late work will be accepted after the 90 percent date of the term without an incomplete grade approval from your instructor.
4. Certain course activities may not be eligible for late submission after the conclusion of the week, module, or unit. These include, but are not limited to, discussion boards, quizzes, and exams.
5. We know that extenuating circumstances can sometime interfere with timely submission of your work. Be sure to tell your instructor right away if you are going to be late with a submission.
6. Extenuating circumstances include, but are not limited to, personal/family member hospitalization, family member death, a severe weather event, a natural disaster, and an active military situation that prevents timely submission of work. Computer-related issues, internet connectivity, and account blocks are generally not considered extenuating circumstances.
7. You may request an extension or alternative arrangement, preferably prior to the due date, but your request does not automatically result in a waiver of the due date or of the penalties for late submissions. Your instructor may also require you to provide documentation of the reason. If your instructor determines that an extension is warranted, they will provide you with the expectations for your submission.

# Academic Integrity-Plagiarism:

Academic dishonesty includes, but is not limited to, the following:

1. Obtaining test information, research papers, notes, and other academic material without authorization.
2. Receiving or giving help on tests, projects, or assignments submitted for a grade unless specifically authorized by the instructor.
3. Plagiarism, which is taking credit for another’s ideas or works as if they were your own.

Penalties for plagiarism and cheating that may be imposed by the instructor include, but are not limited to, the following:

1. First Offense: Receiving a “0” on the assignment.
2. Second Offense: Failing the course in which the assignment was submitted.

Penalties for plagiarism and cheating that may be recommended include, but are not limited to, the following:

1. Academic probation.
2. Academic suspension.
3. Expulsion from the college.

# Institutional Statement:

Each student is responsible for being aware of the information contained in the FTCC Catalog, FTCC Student Handbook, Student Code of Conduct policy, and semester information listed in the class schedule. All information may be viewed on the FTCC website.

# Americans with Disabilities Act (ADA):

FTCC facilitates the implementation of reasonable academic accommodations, including resources and services for students with disabilities, chronic medical conditions, a temporary disability, or other health related conditions resulting in difficulties with accessing learning opportunities. All accommodations are coordinated through the Disability Support Services Office located in the Tony Rand Student Center, Room 127, or call 910-678-8349, or 910-678-8559. Please contact the Disability Support Services Office as early in the semester as possible.

Blackboard is an accessible learning management system. Blackboard’s accessibility information can be found at <http://www.blackboard.com/accessibility.html> (opens in new window).

Blackboard’s web conferencing software has limited accessibility. Direct link: <http://www.blackboard.com/platforms/collaborate/products/blackboard-collaborate/web-conferencing/accessibility.aspx> (opens in new window). Please contact the instructor immediately after reviewing the accessibility information provided by Blackboard if you need additional accommodations.

Closed captioning or scripts are provided for all audio and video components created by the instructor.

# Student Support Services:

For a detailed list of student support services, please refer to the Student Support button in Blackboard.

# Syllabus/Schedule Changes:

This syllabus may be changed at the instructor’s discretion, with proper notification to students. Any changes will be promptly noted in Announcements and emailed to the student’s FTCC student email account.