IT1100 - Introduction to Linux/Unix

Description

Introduces operating system concepts, including file systems, process management, user management, and security. Students will install and configure Linux based systems. This course is required of all Computer and Information Technology majors, and open to students with a general interest in computer operating systems.

Prerequisites: none

Course fee:

$25 which covers computer administration and maintenance

Spring 2018 Sections

1. MWF 10:00-10:50pm in Smith 107 (Francom)
   Final exam on Monday April 30 9am-10:50pm
2. TR 1:00pm-2:15pm in Smith 107 (Stander)
   Final Exam on Wednesday May 2 1pm-2:50pm

Instructors

Carol Stander
Joe Francom

Objectives

At the end of the course, students will be able to:

- Use basic Linux commands to interact with directories, files, processes, and the system.
- Demonstrate that they understand the Ubuntu filesystem hierarchy.
- Manipulate files using a text editor from the command line.
- Read log files and make informed decisions as to what log files are telling them.
- Write basic shell scripts
- Perform basic administration tasks like installing programs, adding users, connecting to the network, formatting a filesystem, etc...

Resources

Texts

The free text by William Shotts for this course is found online [here](#). The text is free to view or print as preferred. Weekly reading assignments will refer to this text.

Computer Resources

You may use the computers in Smith Computer Center. There will also be lab assistants in these labs. These computers require a valid CIT username and password. If you do not already have a CIT login, visit [https://cit.dixie.edu/facilities/passwd/passwd.php](https://cit.dixie.edu/facilities/passwd/passwd.php) to create one, or ask a lab assistant to help you sign up for one.

Course Website

This course has an accompanying website. You are responsible for announcements, the schedule, and other resources posted on both the website and in Canvas. The course website is accessible at [http://cit.dixie.edu/it/1100/](http://cit.dixie.edu/it/1100/). Grading and assignments are managed at the course site on [https://dixie.instructure.com](https://dixie.instructure.com).

Assignments and Exams
Assignments

Assignments generally have 10 points possible. 10 points are awarded if everything is done and correct. Points are subtracted if things are incorrect.

Exams

Periodic exams will be given per course schedule as outlined on Canvas. There will also be a final exam. Practical exams will also be given for students to demonstrate proficiency with the course subjects.

Grading

The grade for the course will be calculated as follows:

- Assignments = 30%
- Quizzes = 10%
- Exams = 30%
- Final Exam = 30%

Absences

Students are responsible for material covered and announcements made in class. School-related absences may be made up only if prior arrangements are made. The class schedule presented is approximate. The instructor reserves the right to modify the schedule according to class needs. Changes will be announced in class and appropriately posted to canvas or the website. Exams and quizzes cannot be made up unless arrangements are made prior to the scheduled time.

Late work

Assignments are due on the date specified in the schedule. Unless arranged in advance, late work will not be accepted.

Cheating and Collaboration

Limited collaboration with other students in the course is permitted and encouraged. Students may seek help learning concepts and developing programming skills from whatever sources they have available, and are encouraged to do so. Collaboration on assignments, however, must be confined to course instructors, lab assistants, and other students in the course. Students are free to discuss strategies for solving programming assignments with each other, but this must not extend to the level of programming code. Each student must code his/her own solution to each assignment. See the section on cheating.

Cheating will not be tolerated, and will result in a failing grade for the students involved as well as possible disciplinary action from the college. Cheating includes, but is not limited to, turning in homework assignments that are not the student’s own work. It is okay to seek help from others and from reference materials, but only if you learn the material. As a general rule, if you cannot delete your assignment, start over, and re-create it successfully without further help, then your homework is not considered your own work.

College Policies

Click on this link - http://academics.dixie.edu/syllabus/ - for comprehensive information on the Semester Dates,
the Final Exam Schedule, university resources such as the library, Disability Resource Center, IT Student Help Desk, Online Writing Lab, Testing Center, Tutoring Center, and Writing Center. In addition, please review DSU policies and statements with regards to Academic Integrity, Disruptive Behavior and Absences related to university functions.

If you are a student with a medical, psychological, or learning disability or think you might have a disability and would like accommodations, contact the Disability Resource Center (652-7516) in the Student Services Center. The Disability Resource Center will determine eligibility of the student requesting special services and determine the appropriate accommodations related to their disability.

**Important Links**

Disability Resource Center - [http://dixie.edu/drcenter](http://dixie.edu/drcenter)

IT Help Desk - [http://dixie.edu/helpdesk](http://dixie.edu/helpdesk)

Library - [http://library.dixie.edu](http://library.dixie.edu)

Testing Center - [http://dixie.edu/testing](http://dixie.edu/testing)

Tutoring Center - [http://dixie.edu/tutoring](http://dixie.edu/tutoring)

Writing Center - [http://dixiewritingcenter.com](http://dixiewritingcenter.com)