IT1100 - Introduction to Linux/Unix

Class Attendance and Covid-19

This is an in-person class. The classroom allows for 3 ft between each chair. REQUIRED: Students MUST wear FACE MASKS while attending class (face shields will not be allowed as a substitute for a cloth face covering). This is per DSU and Utah State requirements. If you don’t wear a mask you will need to get permission to view the class remotely.

If you have received permission to participate in class via live stream (e.g., Zoom), you will be expected to keep your video on throughout the class and be prepared to participate in classroom activities and discussions. Again, participation in activities via live stream may affect your grade.

If you have health conditions that make it impossible for you to attend class meetings in-person for the entire semester, you will need to request accommodation through your instructor or other designated individual. For your accommodation to be considered, an instructor must receive this request by 5:00 pm on January 22, 2021. Otherwise, you will not receive a semester accommodation to take your class via live stream only.

Acceptable reasons to request a live stream only accommodation include:

1. A diagnosed health condition that elevates your risk of contracting coronavirus. (Documentation from a licensed physician will be required)
2. Residing full-time with someone who has a health condition that elevates their risk of contracting coronavirus. (Documentation may be required)
3. If you have an identified mental health condition that prevents you from successfully participating in an in-person class during the pandemic. (Documentation from a licensed mental healthcare provider will be required)

No other reason will be accepted to receive a semester-long accommodation to participate in classes via live stream only.

If a health condition arises during the semester, such as testing positive for coronavirus or being exposed to someone who has tested positive, you must obtain a letter from your primary care provider, medical provider, or COVID testing site outlining the dates of your quarantine and then share the letter with your instructors to receive the accommodation. You will then be allowed to attend classes via live stream or receive an alternative accommodation during the prescribed quarantine period. You will be required to resume in-person attendance following the conclusion of the quarantine period as outlined in your medical documentation.

For current information: Covid-19 Emergency Response Plan

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:

$20 which covers computer administration and maintenance

Spring 2021 Sections

1. MWF 11:00-11:50am in Smith 113 (section 01)
   CRN: 21078
   Final Exam: Wednesday 5 May 11:00am-12:50pm
2. TR 12:00-1:15pm in Smith 113 (section 02)
   CRN: 20409
   Final Exam: Thursday 6 May 11:00am-12:50pm
Instructors

Carol Stander
Tom Picklesimer

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. (PLO 1,2,3,7)
- Demonstrate that they understand the Ubuntu filesystem hierarchy. (PLO 1,2,3,7)
- Manipulate files using a text editor from the command line. (PLO 1,2,3,7)
- Read log files and make informed decisions as to what log files are telling them. (PLO 1,2,3,6,7)
- Write basic shell scripts (PLO 1,2,3,6,7)
- Perform basic administration tasks like installing programs, adding users, connecting to the network, formatting a filesystem, etc... (PLO 1,2,3,6,7)

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 to create one.

Course Website

This course has an accompanying website. You are responsible for announcements, the schedule, and other resources posted in Canvas. The course website is accessible at http://cit.dixie.edu/it/1100/. Grading and assignments are managed at the course site on 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. Exams and quizzes cannot be made up unless arrangements are made prior to the scheduled time.

Late work
Assignments and quizzes are due on the date specified in the schedule. Unless arranged in advance, late work will be docked 10% each day (including weekends and holidays) down to 50%. Exams will NOT be accepted late.

**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.

You are encouraged to work in groups while studying for tests, discussing class lectures, discussing algorithms for homework solutions, and helping each other identify errors in your homework solutions. If you are unsure if collaboration is appropriate, contact the instructor. Also, note exactly what you did. If your actions are determined to be inappropriate, the response will be much more favorable if you are honest and complete in your disclosure.

Where collaboration is permitted, each student must still create and type in his/her own solution. Any kind of copying and pasting is not okay. If you need help understanding concepts, get it from the instructor or fellow classmates, but never copy another’s code or written work, either electronically or visually. The line between collaborating and cheating is generally one of language: talking about solutions in English or other natural languages is usually okay, while discussions that take place in programming languages are usually not okay. It is a good idea to wait at least 30 minutes after any discussion to start your independent write-up. This will help you commit what you have learned to long-term memory as well as help to avoid crossing the line to cheating.

**College Policies**

Click on this link - [http://academics.dixie.edu/syllabus/](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
- IT Help Desk
- Library
- Testing Center
- Tutoring Center
- Writing Center