Course Syllabus

Course Number: ITSC 1316

Course Title: Linux Installation and Configuration

Course Description: Introduction to Linux operating system. Includes Linux installation, basic administration, utilities and commands, upgrading, networking, security, and application installation. Emphasizes hands-on setup, administration, and management of Linux. Lab required.

Course Credit Hours: 3

Lecture Hours: 2

Lab Hours: 2

Prerequisite:ITNW 1358 or consent of the Associate Dean.

Instructor:

Email:

Office Number:

Phone Number:

Preferred Contact Method:

Course Requirements:

The student will visit the course web site daily. The student will complete all assignments/ learning activities, chapter reviews, and assessments and presentation on time and with a satisfactory score.

Students taking this course should plan to invest at least 8-10 hours per week on this course. Consider that you would spend 5 hours/week in a classroom for the same credit hours, and for a college class, you are expected to spend the same number of hours outside the classroom as in class.

This is an online course. Students will not attend traditional classroom lectures, but will work with the instructor and other students via the Canvas web learning tool, online videos, and email, and work independently in order to complete course requirements. The online format will require a significant investment of the student's time.

This course requires student to be self-motivated and self-disciplined. It is highly recommended that student develop a weekly schedule for completing the required assignments, reading, labs, exams et. al. keeping precisely on schedule.

Course Format:

This course features online content and online office hours with the professor. A desktop or laptop computer (not a mobile device), webcam, and microphone will be required. The installation of Zoom conferencing software is also required, as well as any technical software required for coursework. During online office hours, be prepared to stream your desktop live to the professor so they can see your work.

The class will be presented using NetAcad at netacad.com. Student participation and interaction is expected.

The student will complete assignments that will be monitored by the instructor. For those of you who are new to online classes, help is available at the college's Distance Learning website: http://online.collin.edu/

E-mail: All students are required to obtain a Collin College e-mail account. PLEASE LOOK AT YOUR COLLIN EMAIL DAILY.

Assignments:

Assignments are due by the date posted in the syllabus timeline and in the class assignments area in the proper format (see below). 10 points may be deducted for each day an assignment is submitted past the due date.

Note: You may submit any assignment at any time before the due date. This is designed to allow the student to avoid missing an assignment because of family issues, illness, business trips, vacation, holidays, etc. You must post your assignments using the course Assignments tool. A permanent record of the course will be archived after it ends. Assignments submitted to my email address are not saved and thus not part of the course record.

Assignments are usually graded and returned within one week of submission due date. Graded assignments and assessments are available by selecting "My Grades" on the course menu.

Students are responsible for completing all assignments and tests on time. If a student fails to complete class assignments and quizzes/exams, a zero will be entered in the grade book for that assignment/quiz unless prior arrangement has been made with the instructor, usually via email.

Netiquette:

Standards of courtesy and respect must be maintained at all times in our online “classroom.” Join in to the discussion, but remember that this is still a “classroom” setting and that respect and consideration are crucial for any intellectual discussion.

Discussion areas are the place for intelligent and respectful airing of ideas. Name-calling and personal attacks are not permitted. Any violation of the standards of appropriate behavior online will be reported.

Use of Third Party Links:

Any violation of the standards of appropriate behavior will be reported to the Dean of Students and appropriate disciplinary action will be taken by the college.

Copyright:

Materials used in connection with this course may be subject to copyright protection.

Course Link Statement:

This course may include components which may contain links to Web sites operated and maintained by other public or private entities. While Collin College instructors provide link information to these sites, the College assumes no responsibility for the privacy practices or the content of such Web sites. It is recommended that users consider the individual privacy policy statements of each web site they visit.

Allow me to help YOU!!!

I have found in the past that students will sometimes drop a course when assistance is available. If you are considering withdrawing from this course, please take some time to discuss your concerns with me. Things may not be as bad as you think and we may be able to come to some arrangement which will allow you to successfully complete the course requirements. However, you must contact me as soon as possible. Please do not wait until the last minute before the drop date deadline to contact me.

STUDENTS WILL RECEIVE CREDIT FOR THEIR WORK ONLY.

Student Learning Outcomes:

- **State-mandated Outcomes:**Upon successful completion of this course, students will:

1. Install, administer, and manage a Linux system. (SCANS: F1 – F5, F7 – F16, C1, C6, C8, C10, C11, C13, C14, C15, C16, C18, C19)
2. Demonstrate proficiency with Linux utilities, commands, and applications. (SCANS: F1 – F5, F7 – F16, C1, C6, C8, C10, C11, C13, C14, C15, C16, C18, C19)
3. Identify and resolve security-based issues. (SCANS: F1 – F5, F7 – F16, C1, C6, C8, C10, C11,

C13, C14, C15, C16, C18, C19)

4. Integrate a Linux system into an existing network. (SCANS: F1 – F5, F7 – F16, C1, C6, C8, C10, C11, C13, C14, C15, C16, C18, C19)

Secretary's Commission on the Acquisition of Necessary Skills (SCANS)- SCANS skills are a group of foundational skills and workplace competencies that the Secretary's Commission on the Acquisition of Necessary Skills established as vitally important for workplace success in the 21st century. In Collin's workforce programs, the SCANS skills are developed and reinforced throughout the curriculum to provide students with an opportunity to hone these skills/competencies in the context of their education. Over the course of an entire degree program, the successful student is expected to demonstrate all of the SCANS skills and competencies as part of their education. The SCANS Foundation Skills and Workplace Competencies are described at: **http://www.collin.edu/academics/programs/Workforce_SCANS_Skills_Syllabi_Code_Key.pdf (Links to an external site.)** **(http://www.collin.edu/academics/programs/Workforce_SCANS_Skills_Syllabi_Code_Key.pdf)**

Withdrawal Policy: See the current *Collin Registration Guide* for last day to withdraw.

Collin College Academic Policies: See the current *Collin Student Handbook.*

Americans with Disabilities Act Statement: Collin College will adhere to all applicable federal, state and local laws, regulations and guidelines with respect to providing reasonable accommodations as required to afford equal educational opportunity. It is the student's responsibility to contact the ACCESS office, SCC-D140 or 972.881.5898 (V/TTD: 972.881.5950) to arrange for appropriate accommodations. See the current *Collin Student Handbook* for additional information.

Schedule

Week	Dates	Descriptions
1	6/6 - 6/12	Module 1 - Introduction to Linux
		Module 2 - Operating Systems

		Module 3 - Working in Linux
2	6/13 - 6/19	Module 4 - Open Source Software and Licensing
		Module 5 - Command Line Skills
		Module 6 - Getting Help
3	6/20 - 6/26	Module 7 - Navigating the Filesystem
		Module 8 - Managing Files and Directories
		Module 9 - Archiving and Compression
4	6/27 - 7/3	Mid-Term
5	7/4 - 7/10	Module 10 - Working with Text
		Module 11 - Basic Scripting
		Module 12 - Understanding Computer Hardware
6	7/11 - 7/17	Module 13 - Where Data is Stored
		Module 14 - Network Configuration
		Module 15 - System and User Security
7	7/18 - 7/24	Module 16 - Creating Users and Groups
		Module 17 - Ownership and Permissions
		Module 18 - Special Directories and Files
8	7/25 - 7/30	Final

Assignments are weighted by group:

Group	Weight
Labs and Homework	30%
Chapter Exams	30%
Exams	20%
Comprehensive Final	20%
Student Completion	0%
Total	**100%**