Course Syllabus

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NTM 3200 - Linux Systems Administration

Instructor's Information

- **Name:** Garth Tuck
- **Department:** Computer Science
- **Office Location:** Elizabeth Hall 371
- **Office Hours:** Tuesday & Thursday, Noon - 3:00 PM
- **Office Phone:** 801-626-7958
- **E-mail:** gtuck@weber.edu (mailto:gtuck@weber.edu)

Communication (outside of class):

If you have any questions about the course or need assistance, please contact me in person or by telephone during office hours or via WSU Online or direct E-mail.

Course Website/Required Textbook

While there is no "required" textbook this course uses the **TestOut - LinuxPro (http://www.testout.com/home/it-certification-training/labsim-certification-training/linux-pro)** as the main mode of instruction. There is a registration fee required to access the TestOut materials.

Meeting time & place

- **Meeting Time:** Monday 5:30 pm - 8:10 pm
- **Classroom location:** Davis Campus Building 2 - Room 311

Course Description

This course gives students a solid foundation in the fundamentals of the Linux operating system. Students gain system-level experience through problem-solving exercises at the command line and in the graphical user interface (GUI). By the end of the course, students will have learned the major, essential, command-line commands necessary to be accomplished users of Linux.

Course Outline

The TestOut LabSim for Linux+ product includes lab exercises that give you the experience you need to pass the certification exam. LabSim labs focus primarily on managing Linux from the command prompt, a skill you will need to master to pass the certification exams. Using the included online labs, here are many of the skills you will practice:

- View command help
- Manage files and directories
- Create hard and symbolic links
- Configure the boot file
- Manage system and service runlevels
- Stop, restart, and manage services
- Shut down the system
- Manage users and groups
- Manage passwords
- Format a hard disk, mount a volume
- Manage quotas
- Manage file and directory permissions

- Manage printing
- Manage network interfaces

Grading and Evaluation Criteria:

- **25%** of your grade will be based on your scores on the **Section Quizzes**.
- **35%** of your grade will be based on your scores on the **Chapter Practice Exams**.
- **40%** of your grade is based on your score on the **Final Exam**.

Expectations

What I expect from you

This course requires you, the student, to be in control of your learning. Since you are in control, you need to be disciplined enough to stay up to date with the course. The following tips will help you succeed in the course:

Attendance: This one is simple...come to class during the scheduled times prepared to listen, learn and share.

Canvas login: Log in to Canvas regularly to view announcements and check your progress. You may need to log in multiple times a day when group submissions/discussions are due.

Manage your time: This requires good planning. Good planning allows you to plan for the unexpected sickness, travel requirements, Internet outages etc. Allow for four hours/week in class and you an additional 2-4 hours of work outside the classroom.

Keep track of due dates: Use the calendar tool on Canvas to keep track of due dates. Print out the schedule at the end of the syllabus, and watch for updates on Canvas.

What your peers expect from you

Classroom Etiquette: In any social interaction, certain rules of etiquette are expected and contribute to more enjoyable and productive communication. Please follow the guidelines outlines **here** **(http://www.weber.edu/FYE/old_sidebar/etiquette.html)**

Netiquette: The following tips for interacting online are adapted from guidelines originally compiled by Chuq Von Rospach and Gene Spafford.

- Remember that the person receiving your message is someone like you, someone who deserves and appreciates courtesy and respect.
- Be brief. Succinct, thoughtful messages have the greatest impact.
- Your messages reflect on YOU. Take time to make sure that you are proud of their form and content.
- Use descriptive subject headings in e-mail messages.
- Think about your audience and the relevance of your messages.
- Be careful with humor and sarcasm; without the voice inflections and body language of face-to-face communication, Internet messages can be easily misinterpreted.
- When making follow-up comments, summarize the parts of the message to which you are responding.
- Avoid repeating what has already been said. Needless repetition is ineffective communication.
- Cite appropriate references whenever using someone else's ideas, thoughts, or words.

What you can expect from me

As your instructor, I am committed to providing a quality learning experience through thoughtful planning, implementation, and assessment of course activities. I am also committed to being readily available to you throughout the semester by...

- being attentive to your needs in class,
- being available to chat by appointment outside of class during my office hours,
- by replying to you email or online questions within 1 to 2 business days (a business day is Monday-Friday 7:30am-4:30pm)
- and by returning graded course work within 72 hours of each assignment's due date.

Course Honesty policy

CS Department policy dictates that any verifiable evidence of student academic cheating, as defined and determined by the instructor, will result in:

1. an automatic failing grade for the class and

2. a report to the Dean of Students that will include the student's name and a description of the student's dishonest conduct.

Course Fee Statement:

Course fees for the Computer Science major are designed to cover the costs of lab equipment maintenance and replacement including desktop and server computer systems and software; consumable materials and supplies; and support for lab aides, student tutors, and online instructional resources.

Students with Disabilities:

Any student requiring accommodations or services due to a disability must contact Services for Students with Disabilities (SSD) in room 181 of the Student Services Center. SSD can also arrange to provide course materials (including the syllabus) in alternative formats if necessary.

For more information about the SSD contact them at 801-626-6413, ssd@weber.edu, or http://departments.weber.edu/ssd

Assignments Summary:

Date	Details