NET 2200 – Microcomputer Operating Systems

Instructor: Alan Lloyd

Email: alanlloyd@weber.edu

Phone: 801-626-6447

Office: ET116

Office Hours: By appointment

Class Times: MW 12:30pm – 1:45pm in Elizabeth Hall Room 318

Course Description

Study of hardware and software components through managing programs, directories, files, and disks. Includes integrating applications, and customizing the operating system.

Course Lab Fees

Course fees in NET 2200 are designed to cover the costs of computer hardware and software and consumable materials and supplies.

Course Outcomes

At the conclusion of this course students will be able to complete or have an understanding of the following:

- Basic computer hardware components
- Install Windows 10 and Ubuntu GNU/Linux
- Customize and optimize Windows 10 and Ubuntu GNU/Linux
- Use the Windows 10 and Ubuntu GNU/Linux command line interfaces
- Manage files, directories and permissions in Windows 10 and Ubuntu GNU/Linux
- Manipulate data files in Windows 10 and Ubuntu GNU/Linux
- Utilization of virtualization technologies
- Basic networking and security concepts in Windows 10 and Ubuntu GNU/Linux

Textbooks

There are no required textbooks for this course. It is difficult to stay up to date on operating systems in a text book format, especially with the rapid release cycles of most systems today. Is a good reference book if you'd like read more about Windows 10. This book is also available for free via WSU's SafariBooks subscription.

Title: Windows 10 In Depth

Author: Brian Knittel, Paul McFedries

Publisher: Que Publishing

Pub. Date: September 27, 2015

Print ISBN-13: 978-0789754745

SafariBooks Link: **http://proquest.safaribooksonline.com/book/operating-systems/9780134121772**

Accommodations for 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 **departments.weber.edu/ssd**

Class Schedule Overview

Each week, there will be 2 class periods. There will be lecture, discussion and lab time during most class periods. There will also be in class assignments.

In-Class Assignments

There will be at least one assignment/quiz to be completed in class each week. They will be short, simple, and will be designed to test your understanding of the material we have discussed. These assignments and quizzes will not be offered outside of class time, so you must attend to receive credit.

Lab Assignments

There will be multiple lab assignments over the course of the semester, each assignment will be worth 100pts. There will be ample lab time provided during class to complete the assignments.

Final Project

In addition to the lab assignments, there will be a final project that will serve as your final exam for the course. The final project will be worth 300pts, and will encompass components from all of the assignments. More information about the project is forthcoming.

Grade Scheme

A = 95% or greater	B = 83 to 86.9%	C = 73 to 76.9%	D = 63 to 66.9%
A- = 90 to 94.9%	B- = 80 to 82.9%	C- = 70 to 72.9%	D- = 60 to 62.9%
B+ = 87 to 89.9%	C+ = 77 to 79.9%	D+ = 67 to 69.9%	E = Less than 60%

Extra Credit

I may occasionally give extra credit. Please don't ask for extra credit.

Late Work

Late assignments will be accepted up to two weeks after the due date.

- Your first late assignment will not be penalized.
- All subsequent late assignments turned in within a week of the due date will receive a 20% penalty on the grade.
- Assignments turned in more than one week but less than two weeks late will receive a 30% penalty on the grade.
- Assignments turned in more than two weeks past the due date will not receive credit.

Note: This policy does not apply to in-class assignments/quizzes, they must be turned in the day that we complete them in class. The final project may not be turned in late. Everything must be turned in by the last day of the semester (Friday, December 15th)

Communication

The best ways to contact me are either via the Canvas messaging system, or email. If you choose to contact me via email, please do so via your student email account. Due to privacy regulations, I am unable to communicate with you via any other email address. I will also be happy to meet with you in-person if you need to see me outside of class time. My schedule varies from week to week, so office hours are by appointment only.

Time Commitment

As a general rule you should spend at least twice as much time outside of class as you do in class. For this class, this means you should spend about 6 hours outside of class per week. Naturally, some weeks will be lighter, and some heavier.

Tips for Success

Attendance to class is paramount to your success in this course. Pay attention during lecture and discussion time, and ask questions. I would also recommend taking notes during lectures.

Ethical Conduct

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

Any form of academic dishonesty (cheating, plagiarism, etc.) will not be tolerated. The following is an explanation of cheating as stated in the student code.

1. Cheating, which includes but is not limited to:
    - Copying from another student's test;
    - Using materials during a test not authorized by the person giving the test;
    - Collaborating with any other person during a test without authorization;
    - Knowingly obtaining, using, buying, selling, transporting, or soliciting in whole or in part the contents of any test without authorization of the appropriate University official
    - Bribing any other person to obtain any test;
    - Soliciting or receiving unauthorized information about any test;
    - Substituting for another student or permitting any other person to substitute for oneself to take a test.

2. Plagiarism, which is the unacknowledged (uncited) use of any other person’s or group’s ideas or work. This includes purchased or borrowed papers;
3. Collusion, which is the unauthorized collaboration with another person in preparing work offered for credit;
4. Falsification, which is the intentional and unauthorized altering or inventing of any information or citation in an academic exercise, activity, or record-keeping process;
5. Giving, selling, or receiving unauthorized course or test information;

6. Using any unauthorized resource or aid in the preparation or completion of any course work, exercise, or activity;
7. Infringing on the copyright law of the United States which prohibits the making of reproductions of copyrighted material except under certain specified conditions.

Any cheating will result in a failing grade.