

<b>NET 2200</b>	Microcomputer Operating Systems Fall 2021
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<b>Instructor</b>	AJ Hepler Office: D2 308N (Davis Campus) Phone: 801-395-3433 E-mail: <a href="mailto:ajhepler@weber.edu">ajhepler@weber.edu</a> Office Hours: Tuesday, Wednesday 2:30pm-5:00pm (Please email me for a Zoom link if you'd like to meet remotely)
<b>Classroom</b>	WSU Davis Campus: CAE 146
<b>Day(s)</b>	Tuesday
<b>Time</b>	5:30pm-8:10pm
<b>Textbook</b>	Recommended textbook  <i>CompTIA A+ Certification All-in-One Exam Guide</i> Tenth Edition by Mike Meyers (ISBN: 978-1260454031)  You may also access a digital version of the textbook for free as a Weber State student using your student email address. You can sign up for the service at the following link: <a href="https://www.oreilly.com/library/view/temporary-access/">https://www.oreilly.com/library/view/temporary-access/</a> .  Once you have registered at the site, the digital textbook can be found here: <a href="https://learning.oreilly.com/library/view/comptia-a-certification/9781260454048/">https://learning.oreilly.com/library/view/comptia-a-certification/9781260454048/</a>
<b>COVID-19</b>	Information about COVID-19 response plans, student expectations, and other pertinent information can be found at <a href="https://www.weber.edu/coronavirus/default.html">https://www.weber.edu/coronavirus/default.html</a> . This page is frequently updating, so you should try to check it often. Communications about any University updates will be sent out as applicable.  All students in this course will be required to read, understand, and acknowledge that they will abide by and follow the coronavirus mitigation protocols that are in place whenever visiting a Weber State facility.  Attendance will be taken at the beginning of class each period and a seating chart may be developed in order to create an effective contact tracing mechanism should the need arise. The classroom will be set up in a way that adheres to the social distancing and maximum occupancy requirements determined by the University.  If you are experiencing any symptoms related to COVID-19, please do not come to class. Connect with your instructor as soon as you can to develop a plan so that your grade will not be impacted because of sickness. You should also plan to fill out the <b>confidential</b> self-report form so that the University can take the appropriate steps to ensure that all proper protocols and procedures are followed to maintain a safe campus environment for everyone. That form can be found at the following address: <a href="https://weber.col.qualtrics.com/jfe/form/SV_0CIXArhqerACZAp">https://weber.col.qualtrics.com/jfe/form/SV_0CIXArhqerACZAp</a> .  If we all do our part to keep ourselves and those around us safe, we can minimize the likelihood of a University closure, and take one more step towards a new normal.
<b>Course Description</b>	Study of hardware and software components through managing programs, directories, files, and disks. Includes integrating applications, customizing windows, and managing printing.

<b>Learning Outcomes</b>	<p>Upon successful completion of this course, students should be proficient in the following areas:</p> <ul style="list-style-type: none"> <li>• Identify different client-based operating systems</li> <li>• Navigate both GUI and command line environments</li> <li>• Basic understanding of the relationship between computer hardware and software</li> <li>• Installation, configuration, and maintenance of computer hardware</li> <li>• Configure user and group permissions in a Windows environment</li> <li>• Create computer hardware configurations for different user needs</li> <li>• Install, configure, and optimize operating systems in a virtual environment</li> <li>• Apply introductory cybersecurity principles to operating system configurations</li> </ul>
<b>Class Information</b>	<p>Class will consist of lectures, discussions, demonstrations, assignments, quizzes and exams. Questions and comments are encouraged. It is expected that students will read the material related to each week's coursework. It is also expected that students will read any discussion posts and pay attention to any announcements posted throughout the semester.</p> <p>This class will make use of a technology called Virtual Machines. These Virtual Machines can be accessed both in-class and off campus. Any exercises not completed during class may require additional time troubleshooting and setting up your personal computer to access the required materials in the course. Keep this in mind when factoring in assignment due dates.</p>
<b>Assignments, Quizzes, and Exercises</b>	<p>Assignments for the class will be accessible at the beginning of each week on Canvas. Assignments will consist of quizzes, lab exercises, and review questions. Due dates will be available inside each assignment's instructions on Canvas. Late assignments may be accepted with a 10% penalty for up to an additional week to provide for unforeseen circumstances. Assignments submitted beyond one week late will not be accepted.</p>
<b>Exams</b>	<p>The course will consist of two exams; a midterm and a final. The exams will be administered via the Chi Tester and will be proctored by the Weber State testing center. Exams must be taken during the exam period provided and cannot be taken late. Midterm and final exam review sessions will be conducted to help prepare for these exams.</p>
<b>Policies</b>	<p>Exams can only be taken on the dates given unless arrangements are made to take them ahead of time. If you know you are going to be absent at any point during the semester, notify your instructor so you can keep up with the material covered in class.</p> <p>Any lectures recorded and posted on Canvas are for the exclusive use of students enrolled in the class and may not be shared without previous authorization. Violations will be referred to the Dean of Students for adjudication under PPM 6-22, Student Code.</p> <p>Attendance is taken at the beginning of each class period and will result in a Canvas assignment being created to track your attendance. This assignment does not have any impact on your grade, which means you will not be penalized if you miss a class period. However that may result in additional research being necessary in order to complete your assignments on time.</p>

**Grading**

Final grades will be weighted based on the following criteria:

Quizzes	20%
Assignments and Labs	40%
Exams	40%

The final grade will be given based on points accumulated through assignments, quizzes, exams and labs. Standard grading will apply:

94-100	A	74-76	C
90-93	A-	70-73	C-
87-89	B+	67-69	D+
84-86	B	64-66	D
80-83	B-	60-63	D-
77-79	C+	0-59	E

**Academic Integrity (Cheating)**

Students are expected to maintain academic ethics and integrity in regards to performing their own work. The WSU Student Code states clarifies cheating.

Cheating, which includes but is not limited to:

1. Copying from another student's test paper
2. Using materials during a test not authorized by the person giving the test
3. Collaborating with any other person during a test without authority
4. Knowingly obtaining, using, buying, selling, transporting, or soliciting in whole or in part the contents of any test, without authorization of the appropriate official
5. Bribing any other person to obtain any test
6. Soliciting or receiving unauthorized information about any test
7. Substituting for another student or permitting any other person to substitute for oneself to take a test
8. Plagiarism, which is the unacknowledged (uncited) use of any other person or group's ideas or work. This includes purchased or borrowed papers.
9. Collusion, which is the unauthorized collaboration with another person in preparing work offered for credit
10. Falsification, which is the intentional and unauthorized altering or inventing of any information or citation in an academic exercise, activity, or record-keeping process
11. Giving, selling or receiving unauthorized course or test information
12. Using any unauthorized resource or aid in the preparation or completion of any course work, exercise or activity
13. Infringing on the copyright law of the United States which prohibits the making of reproductions of copyrighted material except under certain specified conditions

**Academic Integrity (Cheating) continued...**

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

	<p>Further disciplinary action may be taken by the University as it deems appropriate. You can find more information about academic honesty in the Weber State Policies and Procedures Manual. <a href="http://www.weber.edu/ppm/Policies/6-22_StudentCode.html">http://www.weber.edu/ppm/Policies/6-22_StudentCode.html</a></p> <p>If you are not sure whether or not you might violate one of these stipulations, check with your instructor prior to submitting any assignments with questionable content. Refrain from the urge to copy and paste content from the web or anywhere else. A poor grade on a single assignment is much better than a failing grade for the course.</p>
<p><b>Accommodations for disabilities</b></p>	<p>Any student requiring accommodations or services due to a disability must contact Services for Students with Disabilities (SSD) in room 181 of the Student Service Center.</p>
<p><b>Allocated Time</b></p>	<p>You should anticipate spending two to three hours of study per week for each credit hour of a university course. Computer and programming classes typically require time in the upper range.</p>
<p><b>Course Fees</b></p>	<p>Course fees for the NET 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.</p>
<p><b>Emergency Closure</b></p>	<p>In the event of an emergency or campus closure, please check Canvas for more information. You may want to sign up for Weber State's Code Purple if you haven't done so already to be alerted when these things happen.  <a href="https://www.weber.edu/codepurple">https://www.weber.edu/codepurple</a></p>

## Tentative Class Schedule and Course Outline (subject to change)

Week of	Topic	Coursework
<b>August 30</b> Week 1	Introduction to Hardware and Operating Systems	Week 1 Quiz Week 1 Assignment
<b>September 6</b> Week 2	Central Processing Units (CPUs)	Week 2 Quiz Week 2 Assignment
<b>September 13</b> Week 3	Random Access Memory (RAM)	Week 3 Quiz Week 3 Assignment
<b>September 20</b> Week 4	Hard Drives and Storage	Week 4 Quiz Week 4 Assignment
<b>September 27</b> Week 5	Motherboards and Peripherals	Week 5 Quiz Week 5 Assignment
<b>October 4</b> Week 6	Virtualization	Week 6 Quiz Week 6 Assignment
<b>October 11</b> Week 7	Operating System Installation and Configuration	Week 7 Quiz Week 7 Assignment
<b>October 18</b> Week 8	<b>Instructor Out-of-Town – No Class</b> Midterm Review	<b>Midterm Exam</b>
<b>October 25</b> Week 9	Windows Users, Groups, and Permissions	Week 9 Quiz Week 9 Assignment
<b>November 1</b> Week 10	Maintaining Operating Systems and Networking	Week 10 Quiz Week 10 Assignment
<b>November 8</b> Week 11	Working with a Command Line Interface	Week 11 Quiz Week 11 Assignment
<b>November 15</b> Week 12	Introduction to and Installing Linux	Week 12 Quiz Week 12 Assignment
<b>November 22</b> Week 13	Using Linux with a GUI	Week 13 Quiz Week 13 Assignment
<b>November 29</b> Week 14	Linux Command Line Introduction	Week 14 Quiz Week 14 Assignment
<b>December 6</b> Week 15	Final Exam Review	Final Exam Review
<b>December 13</b> Week 16	<b>Finals Week (no classes)</b>	<b>Final Exam</b>