CS 3040 UNIX/Linux Infrastructure and Administration
Schedule

General Information

Semester: Fall 2014

Textbooks:

When: Mondays and Wednesdays, 7:30pm to 9:20pm

Location: SLCC BB230

Instructor Info:
Steven Baxter
sbaxter@weber.edu
(801) 971-6156 (cell)
Office hours: By appointment

Goals of This Course

From the catalog: This is the second course for understanding Windows operating systems and the first in the Unix/Linux operating system. It includes administration in a client/server directory services environment. Taught in a networking setting, it builds upon complex issues learned in previous courses. Provides the knowledge and skills necessary to install, configure, network and administer both operating systems.

- The class will focus on UNIX administration, network administration, and security.
- No Windows systems will be configured this semester.
- We will discuss the most common tasks performed by Systems Administrators independent of the platform in a classroom environment that fosters discussion, friendship, and teamwork.
- I welcome constructive comments and insights of others who are currently working in system administration to share their experiences to improve the educational experience.

Students Needing Special Accommodations

Please notify the Disability Resource Center at the WSU Ogden campus at (801-626-6413) or at SLCC’s DRC at (801-957-4659) immediately of any special needs or disabilities you may have. They will make arrangements with your instructor(s) to ensure accommodations are met.

Allotted Time

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.
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Grading

Your final grade will be determined from your performance in the following areas:

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<tbody>
<tr>
<td>Lab Assignments</td>
<td>50</td>
</tr>
<tr>
<td>Midterm Project</td>
<td>20</td>
</tr>
<tr>
<td>Final Project</td>
<td>30</td>
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Class Format

This class is taught in the standard in-class lecture format. I will lecture approximately once per week but leave ample time for lab work, which must be performed on the hardware in the classroom. Your administrative work will be performed on virtual machines, which you will install on your own personal laptops. Questions about the lab or reading material may be asked either in the classroom or in the Instructor’s Blog in Canvas.

Homework

Please complete the reading assignment (if any) prior to class. A schedule of reading and lab assignments will be found in the associated learning module. Lab time will be set aside so that lab work may be completed in class.

Assignments

Lab assignments will be given during the semester and you will be working in groups of two or three. The lab assignments are typically short and should help you to learn UNIX administration one task at a time. All lab assignments will be tested and passed off in class in front of the instructor or by submission of a test document detailing the results of your installation, configuration and testing.

You will turn in your lab assignments by marking the assignment complete in Canvas and uploading any required documents or files requested by the lab.

Lab assignments are due on the date listed in Canvas. I will drop your lowest lab grade. Please refer to the Syllabus or the Calendar in Canvas for lab assignment due dates.

Anyone determined to have copied another student’s lab assignment, quiz or test will receive a failing grade for the semester. Please do your own work. You may study together but lab assignments, quizzes and tests are to be completed individually and not as a group.

Quizzes

There are no quizzes for this class. However, they may be added if necessary to meet the objectives of this course.
Projects Instead of Exams

Instead of a Midterm or Final, two projects of your own choosing will be required. Your group will submit a short proposal for approval and then work on it as scheduled. You will be required to demo your project to the class (no Powerpoint slides allowed). Grading criteria will be based on significant conformance to the approved proposal in terms of features and services. The Final project will be more comprehensive than the Midterm project and graded accordingly.

Class Participation

I welcome relevant questions and discussion during class but I reserve the right to limit discussion in the interest of time. You must complete the reading and video assignment prior to class in order to participate in class discussion in any meaningful way.

Grading Scale

The grading scale will be as follows:

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<tr>
<th>Grade</th>
<th>Percentage</th>
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<tbody>
<tr>
<td>A</td>
<td>100-94%</td>
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<tr>
<td>A-</td>
<td>93.9-90%</td>
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<td>B+</td>
<td>89.9-87%</td>
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<tr>
<td>B</td>
<td>86.9-84%</td>
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<tr>
<td>B-</td>
<td>83.9-80%</td>
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<td>C+</td>
<td>79.9-77%</td>
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<tr>
<td>C</td>
<td>76.9-74%</td>
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<td>C-</td>
<td>73.9-70%</td>
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<td>D</td>
<td>69.9-67%</td>
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<td>D-</td>
<td>66.9-64%</td>
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<td>D+</td>
<td>63.9-60%</td>
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Miscellaneous

Please place pagers, cell phones and PDAs on silent mode during class. If you must take an emergency call or page, quietly leave the classroom to conduct your conversation.

We will be using computers in the classroom. Please ensure that all classroom computer activity is directly related to the lecture or assignment.

The instructor reserves the right to amend the course schedule, or study material, or to add or subtract lab assignments, quizzes or examinations to best meet the needs of the class.

We will not take a break during the class period. If you need to leave the classroom, please do so quietly without disturbing the class.

If class is canceled due to weather or illness of the instructor, an email will be sent to your Weber State email address, a note will be placed on the door of the room and an announcement will published on Canvas. Class will only be canceled for weather if SLCC closes the Redwood campus.

No extra credit will be offered for this class.

I will accept late lab assignments with a 30% penalty for all group members.