**Course Schedule and Assignments**

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| |  |  |  | | --- | --- | --- | | **ACTIVITIES/ASSIGNMENTS**      All assignments are due at 11:59PM    On the dates shown | **POINTS** | **DUE DATE** |   **WEEK 1: History of System Administration** | | |
| Read (Book): Brief History of System Administration, pgs 1264-1273    Read (Book): Ch 1 - Where to Start, pages 1-13    Read (PowerPoint): History of System Administration | 0 | 08/26 |
| Discussion: Week 1 - Meet and Greet    Discussion: Week 1 - System Administrators | 10  10 | 08/26  08/26 |
| **WEEK 2: Installation** | | |
| Read (Book): Ch 12 - Software Installation, pages 362-392    Read (PowerPoint): Installation | 0 | 09/02 |
| Lab 1 - CentOS Installation in VirtualBox    Discussion: Week 2 | 20  10 | 09/02  09/02 |
| **WEEK 3: Booting & Shutting Down** | | |
| Read (Book): Ch 3 - Booting & Shutting Down, pages 77-101    Read (PowerPoint): Booting and Shutting Down | 0 | 09/09 |
| Read - Using-the-vi-editor.pdf | 0 | 09/09 |
| Discussion: Week 3 | 10 | 09/09 |
| **WEEK 4: Access Control & Root** | | |
| Read (Book): Ch 4 - Access Control and Rootly Powers, pages 103 - 118    Read (PowerPoint): Access Control and Root | 0 | 09/16 |
| Activity 1 - Using sudo    Discussion: Week 4 | 25  10 | 09/16  09/16 |
| **WEEK 5: User Administration** | | |
| Read (Book): Ch 7 - Adding New Users, pages 174-204    Read (PowerPoint): User Administration | 0 | 09/23 |
| Lab 2 - Manually Add User    Discussion: Week 5 | 25    10 | 09/23    09/23 |
| **WEEK 6: Shell Scripts** | | |
| Read (Book): Ch 2 - Scripting and the Shell, pages 29-40 & 73-74    Read (PowerPoint): Scripting and the Shell | 0 | 09/30 |
| Lab 3 - Shell Script    Lab 3B - Epoch Script    Discussion: Week 6 | 25  25  10 | 09/30  09/30  09/30 |
| **WEEK 7: Backups / Midterm Exam** | | |
| Read (Book): Ch 10 - Backups, pages 292-318    Read (PowerPoint): Backups | 0  0 | 10/07  10/07 |
| Midterm Exam - Covers material from weeks 1-6 | 100 | 10/07 |
| **WEEK 8: System Configuration** | | |
| Read (Book): Ch 12 - Software Installation, pages 404-413    Read (PowerPoint): Software Localization and Configuration | 0  0 | 10/14  10/14 |
| Activity 2 - Installing Software Using yum | 25 | 10/14 |
| Activity 3 - Installing Software from Source Code    Discussion: Week 4 | 25  10 | 10/14  10/14 |
| **WEEK 9: LANs and TCP-IP Networking** | | |
| Read (Book): Ch 14 - TCP/IP Networking, pages 447-490    Read (PowerPoint): Local Area Networks and TCP/IP | 0  0 | 10/21  10/21 |
| Lab 4  - Remote GUI Applications | 100 | 11/04 |
| Discussion: Week 10 | 10 | 10/21 |
| **WEEK 10: Network Hardware** | | |
| Read (Book): Ch 16 - Network Hardware, pages 531-550 | 0 | 10/28 |
| Lab 4  - Remote GUI Applications (continued) |  | 11/04 |
| **WEEK 11: Security** | | |
| Read (Book): Ch 22 - Security, pages 896-918    Read (PowerPoint): Security | 0 | 11/04 |
| Read (Book): Ch 22 - Security, pages 924-944 & 950-951    Read (PowerPoint): Security - Part 2 | 0 | 11/04 |
| Discussion: Week 12 | 10 | 11/04 |
| Lab 4  - Remote GUI Applications (continued) |  | 11/04 |
| **WEEK 12: Security** | | |
| Read (PowerPoint): Security â€“ Setting up a Firewall | 0 | 11/11 |
| Activity 4 - Adding Packet Filtering Rules using iptables | 25 | 11/11 |
| Discussion: Week 13 | 10 | 11/11 |
| **WEEK 13: Building a Linux Kernel** | | |
| Read (PowerPoint): Building a Linux Kernel | 0 | 11/18 |
| Activity 5 - Building a Linux Kernel | 25 | 11/18 |
| Discussion: Week 14 | 10 | 11/18 |
| **WEEK 14: Final Exam Prep** | | |
| Final Exam Prep |  | 11/25 |
| **Week 15: Final Exam** | | |
| Final Exam - Covers material from weeks 7 - 14 | 100 | 11/30 |