

IT 3110: Systems Design and Administration II OR Systems Automation

Spring 2018 Schedule

| Day | Topic | Work Due |
|-----------|----------------------------------------------------------------------------------|--------------------------------------------|
| Jan 8 | Course outline/restructure network | |
| Jan 10 | Centralized Log Server /logrotate | |
| Jan 12 | DHCP | <u>IT 3100 Restructure</u> |
| Jan 15 | MLK Day- No class | |
| Jan 17 | DHCP | |
| Jan 19 | NFS | <u>Logger</u> |
| Jan 22 | Advanced DHCP (netboot) | |
| Jan 24 | Advanced DHCP (kickstart) | <u>DHCP</u> |
| Jan 26 | Catch up? | <u>NFS I</u> |
| Jan 29 | Exam I (<u>Logger/NFS/DHCP</u>) | <u>DHCP 2</u> |
| Jan 31 | | <u>Diskless Boot</u> |
| Feb 2 | <u>Shell Review</u> <u>Shell Review (stdout)</u> | |
| Feb 5 | <u>Shell Review (stdin)</u> and <u>read2</u> | |
| Feb 7 | <u>Shell Review (variables)</u> | |
| Feb 9 | <u>Shell Logic and arithmetic</u> | <u>Bash on Windows</u> |
| Feb 12 | AWK , SED - Read 7.10- 7.11 | |
| Feb 14 | REGEX review | <u>Shell Script 1</u> |
| Feb 16 | Same | <u>Shell Script 2</u> |
| Feb 19 | Presidents Day no class | |
| Feb 21 | <u>Additional Scripting</u> | <u>Shell Script 3</u> |
| Feb 23 | Lab Day? | |
| Feb 26 | <u>Quick Shell</u> | |
| Feb 28 | <u>Troubleshooting</u> | |
| Mar 2 | Test 2 | <u>Shell Script 4</u> |
| Mar 5 | Automation with Ansible | |
| Mar 7 | Ansible | <u>Ansible 1</u> |
| Mar 9 | | |
| Mar 12-16 | <i>Spring Break (no classes)</i> | |
| Mar 19 | Ansible | <u>Ansible 2</u> |
| Mar 21 | Ansible | |
| Mar 23 | Ansible | |
| Mar 26 | Ansible | |
| Mar 28 | Ansible | |
| Mar 30 | Python | <u>Ansible 3</u> |
| Apr 2 | Python | |
| Apr 4 | Ansible/Python Exam | <u>Python</u> |
| Apr 6 | FOG | |
| Apr 9 | Fog | <u>Fog Server</u> |
| Apr 11 | Salt Stack | |
| Apr 13 | Salt Stack | |
| Apr 16 | Salt Stack | |
| Apr 18 | Salt Stack | <u>Salt 1</u> |
| Apr 20 | Salt Stack | |

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|--------|-----------------------------|------------------------------------------|
| Apr 23 | Salt Stack | <u>Salt 2</u> |
| Apr 25 | Salt Stack | Work on final <u>Extra Credit</u> |
| Apr 26 | Reading day | |
| Apr 30 | Final Exam 11 am - 12:50 pm | <u>Final Exam</u> |
| May 4 | Commencement | |

Class announcements may modify schedule from that listed above