Week 1 (Jan 6 - 10)

- Slides
  - Logger Slides
  - DHCP Slides
- Readings
- Lectures
  - DHCP Lecture
  - Bionic Networking
- Screenshots/Helps
  - Syslog Server
  - Syslog Client
  - Syslog Filters
  - Log Rotate
  - DHCP Dynamic
  - DHCP Fixed
  - DHCP Dynamic Client
- Assignment
  - Hosts
  - Logger

Week 2 (Jan 13 - 17)

- Slides
  - NFS Slides
- Reading
- Lectures
- Screenshots/Helps
  - NFS How To
- Assignment
  - DHCP

Week 3 (Jan 20 - 24)

- NO CLASS ON JAN 20
- Slides
  - PXE Boot
  - Kickstart
  - Diskless
- Reading
- Lectures
- Screenshots/Helps
  - Diskless boot = Note that instead of using the cp command as outlined in the screenshots, you can use the debootstrap command as shown in the diskless assignment instructions.
  - Netboot
  - kickstart
  - FOG
- Assignment
  - NFS 1

Week 4 (Jan 27 - Jan 31)
• Slides
• Reading
• Lectures
• Screenshots/Helps
  ◦ Review
  ◦ Capture image fog video old video
  ◦ Deploy image fog video
• Assignment
  ◦ DHCP 2 - netboot/kickstart
  ◦ Diskless Boot
  ◦ FOG

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**Week 5 (Feb 3 - Feb 7)**

• Slides
  ◦ Shell 1
  ◦ StdOut
  ◦ StdIn
  ◦ Command Execution
• Reading
  ◦ Shell review
  ◦ stdout review
  ◦ stdin review
  ◦ executing commands
• Lectures
• Screenshots/Helps
• Assignment
  ◦ Bash on Windows

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**Week 6 (Feb 10 - 14)**

• Slides
  ◦ Variables
  ◦ Logic
  ◦ Sed/Awk
• Reading
  ◦ Variables
  ◦ Shell logic and arithmetic
  ◦ AWK, SED - Read 7.10- 7.11
• Lectures
• Screenshots/Helps
  ◦ SSH As root
• Assignment
  ◦ Shell Script 1
  ◦ Shell Script 2

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**Week 7 (Feb 17 - 21)**

• NO CLASS FEB 17
• Slides
  ◦ Regex
Week 8 (Feb 24 - Feb 28)

- **Slides**
  - Shell Speed
  - Shell Speed
- **Reading**
  - Quick Shell
  - Troubleshooting
- **Lectures**
- **Screenshots/Helps**
  - Sample scripting exam
- **Assignment**
  - Shell Script 4
  - Shell Script 5

Week 9 (Mar 2 - 6)

TEST 2

- **Slides**
  - Automation with Ansible
  - Ansible Playbooks
- **Reading**
- **Lectures**
- **Screenshots/Helps**
- **Assignment**

Week 10 (Mar 9 - 13)

- **Slides**
  - Ansible Playbooks 2
- **Reading**
- **Lectures**
- **Screenshots/Helps**
- **Assignment**
  - Ansible 1
  - Ansible 2

Week 11 (Mar 16 - 20)

SPRING BREAK
Week 12 (Mar 23 - 27)

- Slides
  - Ansible Roles
- Reading
- Lectures
  - Ansible Roles
  - Example of Roles
- Screenshots/Helps
- Assignment
  - Ansible 3

Ansible Exam

Week 13 (Mar 30 - Apr 3)

- Slides
  - Python
- Reading
- Lectures
  - Python video slide lecture
- Screenshots/Helps
  - Python example
- Assignment
  - Python

Week 14 (Apr 6 - 10)

- Slides
  - Salt
- Reading
  - Salt states
  - Basic usage
  - More complex states
- Lectures
  - Installing saltstack
- Screenshots/Helps
- Assignment
  - Salt 1

Week 15 (Apr 13 - 17)

- Reading
- Lectures
  - Salt 1
  - Salt 2
- Screenshots/Helps
  - Salt example file
- Assignment
  - Salt 2
  - Salt 3
Week 16 (Apr 20 - 22)

- SALT
- REVIEW
- EXAM