IT 3110: Systems Automation

Spring 2019 Schedule

The short schedule can be found here. Suggested assignment due dates can be found on the short schedule. If it makes it easier for you, the assignments below are due at the end of the week in which they are listed.

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**Week 1 (Jan 7 - 11)**

- **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

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**Week 2 (Jan 14 - 18)**

- **Slides**
  - NFS Slides
- **Reading**
- **Lectures**
- **Screenshots/Helps**
  - NFS How To
- **Assignment**
  - Logger

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**Week 3 (Jan 21 - 25)**

- **NO CLASS ON JAN 21**
- **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
  - FOG
- **Assignment**
  - DHCP
  - NFS 1

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**Week 4 (Jan 28 - Feb 1)**
**EXAM 1**

- Slides
  - Shell 1
- Reading
  - Shell review
  - stdout review
- Lectures
- Screenshots/Helps
  - Review
  - Capture image fog video
  - Deploy image fog video
- Assignment
  - DHCP 2
  - Diskless Boot
  - FOG

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**Week 5 (Feb 4 - Feb 8)**

- Slides
- Reading
  - stdin review
  - executing commands
  - Variables
  - Shell logic and arithmetic
- Lectures
- Screenshots/Helps
- Assignment
  - Bash on Windows

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**Week 6 (Feb 11 - 15)**

- Slides
- Reading
- Lectures
- Screenshots/Helps
- Assignment
  - Shell Script 1
  - Shell Script 2

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**Week 7 (Feb 18 - 22)**

- NO CLASS FEB 18
- Slides
- Reading
- Lectures
- Screenshots/Helps
- Assignment
  - Shell Script 3

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**Week 8 (Feb 25 - Mar 1)**

- Slides
- Reading
- Lectures
- Screenshots/Helps
- Assignment
Week 9 (Mar 4 - 8)
- Slides
- Reading
- Lectures
- Screenshots/Helps
- Assignment

Week 10 (Mar 11- 15)
- SPRING BREAK

Week 11 (Mar 18 - 22)
- Slides
- Reading
- Lectures
- Screenshots/Helps
- Assignment

Week 12 (Mar 25 - 29)
- Slides
- Reading
- Lectures
- Screenshots/Helps
- Assignment

Week 13 (Apr 1 - 5)

Week 14 (Apr 8 - 12)

Week 15 (Apr 15 - 19)

Week 16 (Apr 22 - 24)