Schedule and outline

This is a VERY rough schedule. You will generally have a project due each week. The chapter reading schedule will probably deviate from that shown below. It is your responsibility to come to class to figure out where we are.

You will need to upload your lab to the correct location on canvas.

Reading link by William E. Shotts (readings below will be identified as WES) (i.e. WES 1 means to read this text chapter 1)

Assignments are due Saturday unless otherwise noted.

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**Week 1**

- Topics:
  - General overview of course
  - Linux intro and history
- Readings:
  - Introduction
- Slides:
  - Overview
  - Introduction
- Notes:
  - Terminus
- Assignments:
  - Lab 1

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**Week 2**

- Topics:
  - Introduction to the shell
  - Navigating directories
  - Manipulating files
- Readings:
  - Chapter 1
  - Chapter 2
  - Chapter 3
  - Chapter 4
- Slides:
  - Chapter 1
  - Chapter 2
  - Chapter 3
  - Chapter 4
- Notes:
- Assignments:
  - Lab 2

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**Week 3**

- Topics:
  - Archival and Backup
  - Redirection
- Readings:
  - Chapter 18
  - Chapter 6
- Slides:
  - Chapter 18
  - Chapter 6
- Notes:
• Assignments:
  ◦ Lab 3

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**Week 4**

• Topics:
  ◦ Shortcuts
  ◦ Text Editors
• Readings:
  ◦ Chapter 8
• Slides:
  ◦ [Chapter 8](#)
  ◦ [Chapter 12](#)
• Notes:
  ◦ [Open vim tutorial](#)
  ◦ [Vim adventures](#)
• Assignments:
  ◦ Lab 4

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**Week 5**

• Topics:
  ◦ More commands
• Readings:
  ◦ Chapter 5
• Slides:
  ◦ [Chapter 5](#)
  ◦ [Linux Types](#)
• Notes:
  ◦ [Installing ubuntu](#)
• Assignments:
  ◦ Lab 5

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**Week 6**

• Topics:
  ◦ Networking and connectivity
• Readings:
  ◦ Chapter 16
• Slides:
  ◦ [Chapter 16](#)
• Notes:
• Assignments:
  ◦ Lab 6

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**Week 7**

• Topics:
  ◦ Network settings
• Readings:
  ◦ Chapter 14
• Slides:
  ◦ [Chapter 14](#)
• Notes:
• Assignments:
  ◦ Lab 7

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**Week 8**
**Week 9**

- Topics:
  - Processes
  - Cron jobs
- Readings:
  - Chapter 10
- Slides:
  - Chapter 10
- Notes:
- Assignments:
  - Lab 9

**Week 10**

- Topics:
  - Searching
  - Finding
- Readings:
  - Chapter 17
- Slides:
  - Chapter 17
- Notes:
- Assignments:
  - Lab 10

**Week 11**

- Topics:
  - Regular Expressions
- Readings:
  - Chapter 19
- Slides:
  - Chapter 19
- Notes:
- Assignments:
  - Lab 13

**Week 12**

- Topics:
  - Storage
  - Filesystems
  - Git
- Readings:
  - Chapter 15
- Slides:
  - Chapter 15
- Video Lectures:
  - Partitioning 1
Week 13

- Topics:
  - The environment
  - Shell customization
- Readings:
  - Chapter 11
  - Chapter 13
- Slides:
  - Chapter 11
  - Chapter 13
- Video Lectures:
  - Prompt
  - Alias Bashrc
  - Modifying the environment
- Notes:
- Assignments:
  - Lab for GIT
  - Lab 11

Week 14

- Topics:
  - Shell scripting
- Readings:
  - Chapter 24
- Slides:
  - Chapter 24
- Video Lectures:
  - Shell scripting slides
  - Scripting example
- Notes:
- Assignments:
  - Lab 14

Week 15

- Topics:
  - Review
- Notes: