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 (Aug 24 - 28)**

- **Topics:**
  - General overview of course
  - Linux intro and history
  - Introduction to the shell
  - Navigating directories
  - Manipulating files
- **Readings:**
  - Introduction
  - Chapter 1
  - Chapter 2
  - Chapter 3
  - Chapter 4
- **Slides:**
  - Overview
  - Introduction
  - Chapter 1
  - Chapter 2
  - Chapter 3
  - Chapter 4
- **Notes:**
  - Terminus
- **Assignments:**
  - Lab 1
  - Lab 2

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**Week 2 (Aug 31 - Sep 4)**

- **Topics:**
  - Archival and Backup
  - Redirection
  - Shortcuts
  - Text Editors
- **Readings:**
  - Chapter 18
  - Chapter 6
  - Chapter 8
- **Slides:**
  - Chapter 18
  - Chapter 6
  - Chapter 8
  - Chapter 12
- **Notes:**
  - Open vim tutorial
  - Vim adventures
- **Assignments:**
  - Lab 3
Week 3 (Sep 7 - 11)

- Topics:
  - More commands
  - Networkign and connectivity
- Readings:
  - Chapter 5
  - Chapter 16
- Slides:
  - Chapter 5
  - Linux Types
  - Chapter 16
- Notes:
  - Installing ubuntu
- Assignments:
  - Lab 5
  - Lab 6

Week 4 (Sep 14 - 18)

- Topics:
  - Network settings
  - User accounts
- Readings:
  - Chapter 14
  - Chapter 9
- Slides:
  - Chapter 14
  - Chapter 9
- Notes:
- Assignments:
  - Lab 7
  - Lab 8
- Exam 2

Week 5 (Sep 21 - 25)

- Topics:
  - Processes
  - Cron jobs
  - Searching
  - Finding
- Readings:
  - Chapter 10
  - Chapter 17
- Slides:
  - Chapter 10
  - Chapter 17
- Notes:
- Assignments:
  - Lab 9
  - Lab 10

Week 6 (Sep 28 - Oct 2)

- Topics:
- Regular Expressions
- Storage
- Filesystems
- Git

- Readings:
  - Chapter 19
  - Chapter 15

- Slides:
  - Chapter 19
  - Chapter 15

- Notes:
  - Partitioning 1
  - Partitioning 2
  - Partitioning 3 - inodes
  - Partitioning howto

- Assignments:
  - Lab 13
  - Lab 12

- Exam 3

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**Week 7 (Oct 5 - 9)**

- Topics:
  - The environment
  - Shell customization
  - Shell scripting

- Readings:
  - Chapter 11
  - Chapter 13
  - Chapter 24

- Slides:
  - Chapter 11
  - Chapter 13
  - Chapter 24

- Video Lectures:
  - Prompt
  - Alias Bashrc
  - Modifying the environment
  - Shell scripting slides
  - Scripting example

- Notes:

- Assignments:
  - Lab for GIT
  - Lab 13
  - Lab 14

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**Week 8 (Oct 12 - 16)**

- Topics:
  - Review
  - Catch up

- Exam 4
- Final