NSS

Introduction

NSS (Networks and Server Structures)

The Networks and Server Structures Course explores computer operations, networking, and storage options. Students examine various operating systems, CPU and peripheral uses, and networked computer environments and their protocols. This course presents knowledge about communications within single and multiple computers, network communications, and communication protocols. A history of both computers and the Internet is also explored (focusing on history of security incidents).

Attendance Policies

I follow the Full Sail attendance policies

Up to 10% can be missed without makeup work

Up to 20% can be missed with makeup work

Over 20% is not eligible

GPS

Timeliness

Respectfulness

Preparation

Attentiveness

Compliance

Class Rules

Mute your cell phones

No off topic talking during lecture

Stay on task

Debugging is YOUR responsibility, I am happy to help you but only after you have exhausted your other resources (not your classmates).

Assignments

Turn in any assignments to your GitHub repo

Assumptions of Knowledge

- You know what a hierarchical file system is and how to navigate it.
- You have built a local website
- You are comfortable with JavaScript, HTML and CSS.
- You have a working computer

The goals of the class

Learn the basics of Networking
       Understanding the difference between client-server and peer-to-peer architecture
       Understand OSI Model of computer communication
       Learn the basic terminology of computer networking

Learn the basics of Server Administration
       Understand common terminology of server administration
       Install and configure operating systems
       Install and configure server applications using command line operations
       Configure server accounts
       Examine log data
       Examine differences between OS level and Application level errors and permissions and their implications

Goals of the class (by week)

Class

- Week 1-Servers/Bash
  - (1)Language of Servers
  - (1) OSI Model
  - (1) Hardware
  - (1) Debugging resources
  - (1) Introduction to BASH
- Week 2-Networks/DNS
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- Week 3-
  -
- Week 4-

Lab

Week 1-BASH Activity, V

Questions?