

CIS 225 - Personal Computer Systems Administration (Fall 2016)  
**Schedule (as of 8/14/2016)**

Date	Lecture	Lecture Topic	Recommended Readings (Before Class)
8/22/2016	1	Introduction & Motivation	Syllabus; Schedule
8/24/2016	2	Duties of a System Administrator	Standalone Sysadmin Articles
8/26/2016	3	Computer Hardware	Explaining Computers - Hardware
8/29/2016	4	Virtual Machines	VMWare Virtualization White Paper
8/31/2016	5	Operating System Installation	Windows 10 Overview; Ubuntu Features
<b>9/2/2016</b>		<b>Lab 1 - Hardware</b>	
9/5/2016		<i>LABOR DAY - NO CLASS</i>	
9/7/2016	6	Windows 10 In-Depth	Architecture of Windows 10; Here's What's Different...
9/9/2016	7	Ubuntu 16.04 In-Depth	Ubuntu Desktop Guide; Know Thy Ubuntu
<b>9/12/2016</b>		<b>Lab 2 - Virtualization &amp; OS Installation</b>	
9/14/2016	8	User Account Management	Ubuntu User Accounts; How to Setup & Manage User Accounts on Windows 10
9/16/2016	9	File System Management	Hard Disk Partitions Explained; Introduction to Linux File Permissions
<b>9/19/2016</b>		<b>Lab 3 - User Accounts &amp; File Systems</b>	
9/21/2016	10	Service & Process Management	Understanding & Managing Windows Services; Managing Processes in Linux
9/23/2016	11	Software	Installing Software (Ubuntu); Here's What Happens when you Install the Top 10 Download.com Apps
<b>9/26/2016</b>		<b>Lab 4 - Services, Processes &amp; Software</b>	
9/28/2016		Exam 1 Review	
<b>9/30/2016</b>		<b>EXAM 1</b>	
10/3/2016	12	Networking Concepts	Ubuntu Community Wiki - Networking
10/5/2016	13	Sharing & Remote Access	Ubuntu Server Guide - Networking; Windows 10 Remote Desktop
10/7/2016	14	Network Security	Windows Firewall
<b>10/10/2016</b>		<b>Lab 5 - Networking</b>	
10/12/2016	15	Command Line Interfaces (CLI)	Ubuntu - Using the Terminal; PowerShell Owners Manual
10/14/2016	16	Simple Scripts	Ubuntu - Beginning Bash Scripting; Scripting with Windows PowerShell
<b>10/17/2016</b>		<b>Lab 6 - Exploring the Command Line</b>	
10/19/2016	17	Scripts for Automation	Ubuntu - Cron How To Guide; Ubuntu; Environment Variables
10/21/2016	18	Advanced Scripts	Ubuntu - Advanced Command Line How To
<b>10/24/2016</b>		<b>Lab 7 - Simple Scripts</b>	
10/26/2016	19	Troubleshooting and Maintenance	Windows 10 - Boot in Safe Mode; Ubuntu Recovery Mode
10/28/2016	20	Troubleshooting and Maintenance	Ubuntu Reset Password; Reset Windows Password
<b>10/31/2016</b>		<b>Lab 8 - Troubleshooting &amp; Maintenance</b>	
11/2/2016		Exam 2 Review	
<b>11/4/2016</b>		<b>EXAM 2</b>	
11/7/2016	21	Cloud Computing Introduction	
11/9/2016	22	Setting up Cloud Resources	DigitalOcean - Creating your First Droplet; DigitalOcean - How to Connect to your Droplet with SSH
11/11/2016	23	Securing Cloud Resources	DigitalOcean - Initial Server Setup with Ubuntu 16.04
<b>11/14/2016</b>		<b>Lab 9 - The Cloud</b>	
11/16/2016	24	Backups	Wikipedia - Backup
11/18/2016	25	System Monitoring	DigitalOcean - How to Install the Munin Monitoring Tool; DigitalOcean - How to Install Linux Dash
11/21 - 11/25		<i>FALL BREAK - NO CLASS</i>	
<b>11/28/2016</b>		<b>Lab 10 - Monitoring &amp; Backups</b>	
11/30/2016	26	Security & Best Practices	Wikipedia - ITIL
12/2/2016	27	Bigger Picture of IT	
<b>12/5/2016</b>		<b>Lab 11 - Security &amp; Best Practices</b>	
12/7/2016		Final Exam Review	
12/9/2016		Final Exam Review	
<b>12/13/2016</b>		<b>FINAL EXAM 11:50 AM - 1:40 PM</b>	