

CS 3720 : UNIX SYSTEM ADMINISTRATION

<i>Semester Hours:</i>	2.0	<i>Contact Hours:</i> 2
<i>Coordinator:</i>	CS Systems Administrator	
<i>Text:</i>	No text	
<i>Author(s):</i>	N/A	
<i>Year:</i>	N/A	

SPECIFIC COURSE INFORMATION

Catalog Description:

User accounts; devices and drivers; file systems and disk management; backups; startup and shutdown; network services and applications; print service; security issues. Graded S/U. Corequisite: CS 3710.

Course type: **ELECTIVE**

SPECIFIC COURSE GOALS

- I understand the importance of having a system administrator on a UNIX system.
- I know how to install a UNIX operating systems from scratch, install devices and create user accounts.
- I have knowledge of the startup procedures for the UNIX kernel and an understanding of the role services play in a properly configured system.
- I have the ability to configure and modify UNIX filesystems and disks, including backing up data on the system.
- I have basic understanding of the procedures needed to security a UNIX system, it's network and services.
- I can manage the CUPS print service on a UNIX operating system.

LIST OF TOPICS COVERED

- Review of essential Unix concepts
- Role of the system administrator

- Unix installation basics
- User accounts
- Devices and drivers
- File systems and disk management
- Backup procedures
- Startup and shutdown processes scripts
- Kernel configuration
- Network connections and management
- Network services and applications
- Print service (CUPS)
- Security issues