

NETWORKING OPERATING SYSTEMS

*Effective Term – Spring 2006 [2006*01] – CRC 06/13/05*

NOS 110	Operating System Concepts	2	3	3
Prerequisites:	None			
Corequisites:	None			

This course introduces students to a broad range of operating system concepts, including installation and maintenance. Emphasis is place on operating system concepts, management, maintenance, and resources required. Upon completion of this course, students will have an understanding of OS concepts, installation, management, maintenance, using a variety of operating systems.

*Effective Term – Spring 2006 [2006*01] – CRC 06/13/05*

NOS 111	Operating System – DOS	2	2	3
Prerequisites:	None			
Corequisites:	None			

This course introduces operating system concepts for DOS operating systems. Topics include hardware management, file and memory management, system configuration/optimization, and utilities. Upon completion, students should be able to perform operating system functions at the support level in a DOS environment.

*Effective Term – Spring 2006 [2006*01] – CRC 06/13/05*

NOS 120	Linux/UNIX Single User	2	2	3
Prerequisites:	NOS 110			
Corequisites:	None			

This course develops the necessary skills for students to develop both GUI and command line skills for using and customizing a Linux workstation. Topics include Linux file system and access permissions, GNOME Interface, VI editor, X Window System expression pattern matching, I/O redirection, network and printing utilities. Upon completion, students should be able to customize and use Linux systems for command line requirements and desktop productivity roles.

*Effective Term – Spring 2006 [2006*01] – CRC 06/13/05*

NOS 130	Windows Single User	2	2	3
Prerequisites:	NOS 110			
Corequisites:	None			

This course introduces operating system concepts for single-user systems. Topics include hardware management, file and memory management, system configuration/optimization, and utilities. Upon completion, students should be able to perform operating systems functions at the support level in a single-user environment.

*Effective Term – Spring 2006 [2006*01] – CRC 06/13/05*

NOS 149	Operating System – MVSä	2	2	3
Prerequisites:	None			
Corequisites:	None			

This course introduces operating systems concepts for MVS™ operating systems. Topics include hardware management, file and memory management, system configuration/optimization, utilities, Job Control Language, and support functions. Upon completion, students should be able to perform operating system functions at the support level in an MVS™ environment.

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NOS 211	AS/400 Maint and Oper	2	3	3
Prerequisites:	None			
Corequisites:	None			

This course is designed to cover the fundamental AS/400 System operations, screens, utilities, and terminology. Topics include an introduction to the AS/400 operating system, security, backup and restore, handling spooled files, and using commands and menus to create and manipulate objects. Upon completion, students should be able to use utilities, create libraries, save and restore files, monitor and control jobs and queues, and know AS/400 operations.

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NOS 220	Linux/UNIX Admin I	2	2	3
Prerequisites:	NOS 120			
Corequisites:	None			

This course introduces the Linux file system, group administration, and system hardware controls. Topics include installation, creation and maintaining file systems, NIS client and DHCP client configuration, NFS, SMB/Samba, Configure X, Gnome, KDE, basic memory, processes, and security. Upon completion, students should be able to perform system administration tasks including installation, configuring and attaching a new Linux workstation to an existing network.

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NOS 221	Linux/UNIX Admin II	2	2	3
Prerequisites:	NOS 220			
Corequisites:	None			

This course includes skill-building in configuring common network services and security administration using Linux. Topics include server-side setup, configuration, basic administration of common networking services, and security administration using Linux. Upon completion, students should be able to setup a Linux server and configure common network services including security requirements.

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NOS 222 Linux/UNIX Admin III 2 2 3
 Prerequisites: NOS 221
 Corequisites: None

This course includes technical topics in preparing an enterprise Linux system for common uses. Topics include advanced study of hardware, installation, boot process, file system administration, software administration, user administration, system administration, kernel services, configuration, securing services, and troubleshooting. Upon completion, students should be able to administer an enterprise Linux system.

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NOS 230 Windows Admin I 2 2 3
 Prerequisites: NOS 130
 Corequisites: None

This course covers the installation and administration of a Windows Server network operating system. Topics include managing and maintaining physical and logical devices, access to resources, the server environment, managing users, computers, and groups, and Managing/Implementing Disaster Recovery. Upon completion, students should be able to manage and maintain a Windows Server environment.

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NOS 231 Windows Admin II 2 2 3
 Prerequisites: NOS 230
 Corequisites: None

This course covers implementing, managing, and maintaining a Windows Server network infrastructure. Topics include implementing, managing, and maintaining IP addressing, name resolution, network security, routing and remote access, and managing a network infrastructure. Upon completion, students should be able to manage and maintain a Windows Server environment

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NOS 232 Windows Admin III 2 2 3
 Prerequisites: NOS 231
 Corequisites: None

This course covers implementing and administering security in a Windows Server network. Topics include implementing, managing, and trouble shooting security policies, patch management infrastructure, security for network communications, authentication, authorization, and PKI. Upon completion, students should be able to implement, manage, and maintain a Windows Server network infrastructure.

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NOS 240 Novell Admin I 2 2 3
 Prerequisites: NOS 110
 Corequisites: None

This course will introduce students to the Novel network operating system. Topics include installing and using NetWare, managing printing, storage space, implementing internet services, and managing security. Upon completion, students should have basic knowledge about implementing NetWare and using its management tools.

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NOS 244 Operating System – AS/400

2 2 3

Prerequisites: None

Corequisites: None

This course includes operating systems concepts for AS/400 systems. Topics include hardware management, file and memory management, system configuration/optimization, utilities, Job Control Language, and support functions. Upon completion, students should be able to perform operating system functions in an AS/400 environment.

See the SEL and SEM prefixes for generic Selected Topics and Seminar course description.