CSC 353 - SYSTEM ADMINISTRATION

CREDIT HOURS: 3
PREREQUISITES: CSC 201 or 241; CSC 211
GRADE REMINDER: Must have a grade of C or better in each prerequisite course.

CATALOG DESCRIPTION

The configuration, installation and maintenance of a computer using a current operating system in a networked environment. Emphasis will be placed on resource management, performance and security. May not be used to satisfy computer science requirements for a major or minor in computer science or computer information systems.

PURPOSE OF COURSE

To acquaint the student with operating system and network administration through the assignment of a variety of problems requiring system design, development and implementation.

EDUCATIONAL OBJECTIVES

Upon successful completion of the course, students should be able to:

1. Demonstrate an understanding of operating systems concepts.
2. Maintain a networked computer system.
3. Describe the life-cycle of a computer.
4. Identify tools and techniques for system administration.
5. Configure, install, and maintain a networked computer system.
6. Identify relevant security issues.

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Hardware Management
Printer Installation, Configuration, Management
Device Driver Installation, Configuration, Management

Networking ........................................................................................................................................6
Network Interface Configuration
Setup and Masking
Wireless

Applications ......................................................................................................................................6
Installation, Configuration, Management
Office Suite
ISV Software
Utilities
Policies and Procures

Performance ......................................................................................................................................5
Tuning - Files System, Tools (Defragment, Compress, etc.)
Tasks - TSR issues
Registry Management

Security ..............................................................................................................................................4
Tools - Web Setup, Firewalls, Virus, Spyware, blockers
Policies and Procedures - Access/Permissions/Accounts

Maintenance .......................................................................................................................................3
Backup/Restore
RAID Organization and Operation
Hardware/Software Updates

Exams (plus final) .................................................................................................................................3

TOTAL 45

REFERENCES


Installing, Configuring, and Administering Microsoft® Windows® XP Professional (70-270), 2nd Ed.,
http://www.microsoft.com/MSPress/books/7721.asp


Microsoft® Windows® XP Professional Administrator's Pocket Consultant, 2nd Ed.,
http://www.microsoft.com/MSPress/books/7777.asp

Microsoft® Windows® XP Networking and Security Inside Out: Also Covers Windows 2000
http://www.microsoft.com/MSPress/books/7110.asp

**Supporting Users and Troubleshooting a Microsoft® Windows® XP Operating System (70-271)**
http://www.microsoft.com/MSPress/books/7250.asp

**Supporting Users and Troubleshooting Desktop Applications on a Microsoft® Windows® XP Operating System (70-272)**, http://www.microsoft.com/MSPress/books/7576.asp

Nova college-wide course content summary csc 201 â€“ computer science I (4 cr.) Course Description. Introduces algorithm and problem solving methods. In order to standardize the core topics of CSC 201 so that a course taught at one campus is equivalent to the same course taught at another campus, the following student contact hours per topic are recommended. Of course, the topics cannot be followed sequentially. Many topics are taught best as an integrated whole, often. There are normally 64 student-contact-hours per semester for a four-unit course. The last category, Other optional content, leaves ample time for an instructor to tailor the course to special needs or resources. Ref Topic. Contribute to CSC2020/CSC_211 development by creating an account on GitHub. GitHub is home to over 40 million developers working together to host and review code, manage projects, and build software together. Sign up. No description, website, or topics provided. 1 commit. 1 branch.