

Course Number: CSC 651

Course Title: System Administration

Number of Credits: 3

Schedule: Three hours of lecture/discussion per week.

Prerequisite: *a grade of C or better in CSC 413 and CSC 415. CSC 415 may be taken concurrently.*

Catalog Description

User administration. Operating system installation, tuning, and control. Network administration. Security management. Performance tuning and management. Extra fee required.

Expanded Description

Administration & Management

Skills

Planning

Services

Current Technologies

Major Subsystems

Security

Problem Identification and Resolution

Performance Management and Tuning

Law & Ethics

Course Objectives and Role in Program

To introduce methods for the selection, installation, configuration, operation, administration of networked operating systems, system problem identification, problem resolution, performance monitoring, and tuning.

Learning Outcomes

Students will learn methods for the selection, installation, configuration, operation, administration of networked operating systems, system problem identification, problem resolution, performance monitoring, and tuning.

Method of Evaluation

Lab Projects

Midterm Examination (max 90 minutes)

Final Examination (max 90 minutes)

651 will be offered for the first time in several years for Fall 2007. The weight assigned to each element of evaluation will be determined by the instructor of the course on the first day of the class.

Required Textbooks

The Practice of System and Network Administration, Thomas A. Limoncelli & Christine Hogan, 2002, Addison-Wesley, ISBN 0-201-70271-1.

Recommended Reference

Essential System Administration, 3rd Edition, Aeleen Frish, 2002, O'Reilly, ISBN 0-596-00343-9.

Modified by: S. Osborne

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