

WEBSTER UNIVERSITY

COURSE SYLLABUS

EDTC 5630.03

COURSE NUMBER AND SECTION

50 - Edutec Resources, Inc.

SITE 2923 Lemay Ferry Road

Advanced Topics in Classroom Technologies:

Computer Networks

COURSE TITLE

Frances Erwin

INSTRUCTOR

TERM: SP I YEAR: 2003

1. Course Description: (Student Focus, rationale, scope, prerequisites)

This introductory course provides teachers with an awareness of and an exposure to educational computer networks. Participants will learn basic terminology, purpose, and functions of a computer network. The focus of this class will be computer network usage and management, not the installation and maintenance of hardware.

Prerequisite: Classroom Technologies for Educators or permission of the Educational Technology Coordinator.

2. Learning Outcomes: (Goals, objectives, course outcomes, etc.)

The student will be able to:

- understand basic terminology of computer networks.
- understand the purpose of computer networks.
- understand the functions of computer networks.
- experience educational computer networks.

3. Schedule of required readings, class preparations, and assignments, lectures, discussions, student presentations, and exams:

Week 1: --Network Fundamentals: Concepts

Week 2: --Network Fundamentals: Models and Standards
--Network Connections: Media

Week 3: --Quiz
--Network Connections: Topologies
--Network Communication: Architecture
--Network Communication: Protocols

Week 4: --Interconnectivity: Remote Access
--Interconnectivity: Larger Networks
--WAN Connections: Wide Area Networks

Week 5: --Security: Managing a Network
--Security: Network Monitoring and Problem Prevention
--Security: Trouble Shooting

Week 6: --Quiz

--Classroom Management: ZenWorks

Week 7: --Handheld Network Technology: Palm
--Computer Network Acceptable Use Policy Paper and Presentation

Week 8: --Computer Network Internet Sites and Descriptions
--Computer Network Class Activity Paper and Presentation
--Advantages and Disadvantages of Computer Networks

4. Resources:

Text Used: Microsoft Networking Essentials
Meinster, Craver, Wang
Southwestern Publishing/ITP

Supplemental Readings: general reading

Audio Visual/Other: Students are expected to obtain a copy of a
Computer Network Acceptable Use Policy

5. Attendance:

Attendance is required for every class.

Unapproved absences will result in one of the following:

1) the student's grade for the course will be lowered

-OR-

2) the credit hours earned for the course will be reduced

Approved absences will result in one of the following:

1) the student will be responsible for any missed work,
as well as a make-up assignment

-OR-

2) the student's grade for the course will be lowered

-OR-

3) the student's grade for the course will be changed to NC
(No Credit). It is the student's responsibility to withdraw from the
course according to the Withdrawal Procedures outlined in the Graduate
Studies Catalog.

6. Evaluation:

--class attendance, participation, and discussion
--quizzes
--computer network acceptable use policy paper and presentation
--computer network Internet sites and descriptions
--computer network class activity paper and presentation

7. Final Projects:

Final projects will be returned to students who provide a self-addressed, postage-paid envelope to the instructor.

NOTE: This syllabus is subject to change at the discretion of the instructor.