

**WEBSTER UNIVERSITY**

**COURSE SYLLABUS**

**EDTC 5630.02**  
**COURSE NUMBER AND SECTION**

**50 - Ladue Horton Watkins H.S.**  
**SITE 1201 South Warson Road**

**Advanced Topics in Classroom Technologies:**  
**Computer Networks**

**Frances Erwin**  
**INSTRUCTOR**

**COURSE TITLE**

**TERM: SP I YEAR: 2005**

**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.

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

- Week 1:** --Introduction to Networks and Networking Concepts
- Week 2:** --Network Design Essentials  
--Networking Media
- Week 3:** --Quiz  
--Network Interface Cards  
--Making Networks Work  
--Network Communication and Protocols
- Week 4:** --Network Architectures  
--Simple Network Operations  
--Understanding Complex Networks
- Week 5:** --Network Administration and Support  
--Enterprise and Distributed Networks  
--Wide Area and Large Scale Networks
- Week 6:** --Quiz  
--Solving Network Problems  
--Understanding and Using Internet Resources
- Week 7:** --Using and Managing a Network: Palm Wireless  
--Computer Network Acceptable Use Policy Paper and Presentation
- Week 8:** --Computer Network Internet Sites and Descriptions  
--Computer Network Class Activity Paper and Presentation

**4. Resources:**

Text Used: Guide to Networking Essentials, Fourth Edition  
Greg Tomsho, Ed Tittel, David Johnson  
Thomson Course Technology

Supplemental Readings: general reading

Audio Visual/Other: Students are expected to obtain a copy of a  
Computer Network Acceptable Use Policy from  
a school district other than their own.

**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.