

WEST VIRGINIA UNIVERSITY AT PARKERSBURG
UNIFORM COURSE SYLLABUS

Name of Course Computer Networks Course No. CS 401

Department Computer Science Division Technology

I. Course Objectives

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

1. Understand the types of software used in computer networks.
2. Explain the fundamentals of data transmission.
3. Be familiar with the kinds of equipment used in computer networks.
4. Display an understanding of the process used to design a computer network for various sized systems.
5. Explain the most common communication network standards used in industry.
6. Understand the types of security used in computer networks.

II. Topics to be Studied

How will course objectives be met?

<u>Topic</u>	<u>Number of Weeks</u>
1. Intro. to Computer Networks	2
2. Data Transmission	3
3. Computer Network Software	2
4. Computer Network Hardware	3
5. Design of Computer Networks	3
6. Implementation of Computer Networks	1
7. Network Security	1
8. Applications of Computer Networks	1

III. Special Projects to be Included in Course

Research papers	Reports
Surveys	Annotated bibliographies
Other	

Projects where databases will be designed and implemented.

Uniform Course Syllabus CS 401

IV. Methods of Student Evaluation

Tests (how many? how often? what type?)

Quizzes

Oral Presentations

Written Papers

Laboratory Activities

Clinical Experiences

3 tests will be given

2 tests during the semester and a comprehensive final

Type of tests – Short answer, problems, and essay

V. Assessment of Outcomes

What measurements will be used to demonstrate that outcomes have been reached? (Refers to class as a whole, not individual students.)

95% of the students will be able to design a computer network using network standards, proper security, common software and standard equipment.

VI. Other Information

None.

6/92

Reviewed 5/5/03