PELLISSIPPI STATE TECHNICAL COMMUNITY COLLEGE
MASTER SYLLABUS

SPECIAL TOPICS IN NETWORKING
NETW 2800

Class Hours: 3.0
Laboratory Hours: 3-6.0

Credit Hours: 1-4.0
Revised: Spring 04

NOTE: This course is not designed for transfer credit.

Catalog Course Description:

This course provides an avenue to present state-of-the-art technology courses in a timely manner. Content will vary, as this course is a means for classes to explore certain topics in depth not covered in the general curriculum. May be repeated for credit up to 12 hours.

Entry Level Standards:

Students should have knowledge and experience working in the Windows internetworking operating system environment, including the use of the Microsoft Office software components. Students should also have the ability to use a standard keyboard and maintain a rate of 10 words per minute. Students should also have verbal and English skills at the college level.

Prerequisites:

Consent of instructor

Textbook(s) and Other Reference Materials Basic to the Course:

TBA

I. Week/Unit/Topic Basis:

Weekly topics will vary, depending on topic covered.

II. Course Objectives*:

A. Provide opportunities for students to have unique experiences in learning about networking applications. I, II, III, IV

B. Understand relationships between networking training received and applications by others. I, II, III, IV

C. Understand new opportunities in networking or related technology. I, II, III, IV

*Roman numerals after course objectives reference goals of the NETW program.

III. Instructional Processes*:

Students will:

1. Use internetworking hardware and software to deal with telecommunications problems and produce solutions. Numerical Literacy Outcome, Transitional Strategy

2. Be familiar with the basic procedures in basic and intermediate level network setups. Numerical Literacy Outcome, Problem Solving and Decision Making Outcome

3. Participate in open discussions regarding the strengths and weaknesses of internetworking
procedures and what improvements might be made in future products. *Active Learning Strategy, Communication Outcome, Transitional Strategy*

4. Use the Internet and electronic mail to communicate effectively between the instructor, other students, and for information gathering. *Technological Literacy Outcome, Information Literacy Outcome*

5. Internalize the work ethic by demonstrating regular attendance, punctuality, dependability, cooperation with teachers and peers, and professionalism. *Personal Development Outcome*

*Strategies and outcomes listed after instructional processes reference Pellissippi State’s goals for strengthening general education knowledge and skills, connecting coursework to experiences beyond the classroom, and encouraging students to take active and responsible roles in the educational process.*

**IV. Expectations for Student Performance***:

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

1. Discuss basic and advanced facts associated with the selected topic. A, B, C

2. Discuss implications for society and for the future based on information regarding the selected topic. A, B, C

3. Understand the manner in which the special topic fits into the overall picture of internetworking. A, B, C

4. Demonstrate the ability to integrate the course information into interworking projects. A, B, C

5. Discuss and use (depending on the course) appropriate technologies. A, B, C

*Letters after performance expectations reference the course objectives listed above.*

**V. Evaluation:**

A. Testing Procedures: 65% of grade

Four tests will be administered (three tests plus the final) counting for approximately 65% of the final grade

B. Laboratory Expectations: 35% of grade

Students will be assigned group and/or individual projects. The ability to work with others, the ability to make efficient use of equipment, and the level at which students perform will contribute to the grade.

C. Field Work:

N/A

D. Other Evaluation Methods:

N/A

E. Grading Scale:

- 90 - 100%    A
- 80 - 89%    B
- 70 - 79%    C
- 61 - 70%    D
- 0 - 60%      F

**VI. Policies:**
A. Attendance Policy:

Pellissippi State Technical Community College expects students to attend all scheduled instructional activities. As a minimum, students in all courses must be present for at least 75 percent of their scheduled class and laboratory meetings in order to receive credit for the course.

B. Academic Dishonesty:

Plagiarism, cheating and other forms of academic dishonesty are prohibited. A student guilty of academic misconduct, either directly or indirectly through participation or assistance, is immediately responsible to the instructor of the class. In addition to other possible disciplinary sanctions that may be imposed through the regular Pellissippi State procedures as a result of academic misconduct, the instructor has the authority to assign an F for the exercise or examination or to assign an F in the course.

C. Other Policies:

Any act of misuse, vandalism, malicious or unwarranted damage or destruction, defacing, disfiguring, or unauthorized use of property/equipment belonging to Pellissippi State is subject to disciplinary sanction.