PELLISSIPPI STATE TECHNICAL COMMUNITY COLLEGE
MASTER SYLLABUS

SPECIAL APPLICATIONS PROJECT
CST 2490

Class Hours: 3.0   **Credit Hours: 4.0**

Laboratory Hours: **Date Revised: Fall 1998**
3.0

Catalog Course Description:

 A directed study and utilization of specific computer software and hardware products that relate to student career/interest areas. This course requires extensive in-lab computer utilization, internet access, documentation and project development. Note: The intent of this course is to provide a learning opportunity for those wishing to understand software and PC-based hardware products that are not in the main-stream educational offering.

Entry Level Standards:

 Students must have a thorough understanding of the Windows PC operating system. Students must have an aptitude toward self-study, self-initiatives, comprehension of user manuals and the ability to work alone and in teams. The student must be able to use a word processor.

Prerequisite:

  CST 1540 or departmental approval

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

 Lab Experiences Workbook -- Available the 2nd week of class -- Published at Pellissippi State.
 Reference books, specific to the area of concentration (optional, but suggested).

I. Week/Unit/Topic Basis:

Week	Topic
1	Introduction, Overview, Course and Project Requirements
2	Introduction to equipment and software with reference sources. Workbook.
3-7	Learn and demonstrate effective use of first assigned products
8	Produce first set of finished projects, Mid-Term Competence Test
9-13	Learn and demonstrate effective use of second two products.
14-15	Produce second set of finished products. Document learning outcomes.
16	Final

II. Course Objectives*:

A. Use a word processor. I, II, IV, VII, IX

B. Use and demonstrate understanding of the features of specified software products. I, II, IV, VII, IX

C. Write documents that could be used by others to understand the use of a specified product. I, III, IV, VIII, VII, IX, X, XI, XII

D. Follow procedures, manuals, directions and diagrams to implement and complete a desired project outcome. I, II, III, IV, V, VII, VIII, IX, X, XI, XII

E Write a report outlining the specific activities accomplished during this course. I, VII, XI

F. Understand, demonstrate knowledge of and demonstrate use of each of the given hardware products to the degree required to utilize the product in the work place. I, II, VII, VIII, IX

G. Understand, demonstrate knowledge of and demonstrate use of each of the given software products to the degree required to utilize the product in the work place. I, IV, VI, VII, VIII, IX

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

III. Expectations for Student Performance*:

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

1. Explain and demonstrate use of software. A-F

2. Explain and demonstrate use of hardware. A-F

3. Create documents that demonstrate in-depth knowledge of each product. A-F

4. Perform given tasks as assigned to demonstrate effective use of the specific products. A-F

5. Produce documentation as assigned to demonstrate procedures used, sources of information, results and conclusions regarding various products used. A-F

6. Set-up, follow recommended procedures, solve problems and produce results in accordance with predefined lab project expectations. A-F

7. Create application outcomes based on specific initial expectations. A-F

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

IV. Evaluation:

A. Testing Procedures: 25% of grade

   Quiz on each unit of study covered. Midterm and final. Questions will be short answer or essay.

B. Laboratory Expectations: 25% of grade

   Students will learn, demonstrate effective use of and complete tasks associated with each of the units of study. Completion of all units with desired outcomes will count 25%.

C. Field Work: None

D. Other Evaluation Methods: 25% of grade

Creation of a "Guide for Users" and Report on utilization of the products will count 25%.

E. Grading Scale:

90 - 100   A
80 - 89   B
70 - 79   C
60 - 69   D
Below 60   F

V. Policies:

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.