

PELLISSIPPI STATE TECHNICAL COMMUNITY COLLEGE  
MASTER SYLLABUS

**SPECIAL TOPICS IN GIS  
GIS 2810**

**Class Hours: 3.0**

**Credit Hours: 1.0-4.0**

**Laboratory Hours: 0.0**

**Date Revised: Fall 00**

NOTE: This course is not designed for transfer credit.

**Catalog Course Description:**

Study and discussion of a selected topic in Geographic Information Systems. Content will vary, as this course is a means for classes to explore certain GIS topics in depth. Classes may be taught by visiting professors. May be repeated for credit when a different topic is taught.

**Entry Level Standards:**

Students should have knowledge and experience working in the Windows 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 mathematics, writing, and verbal skills at the college level.

**Prerequisite:**

GIS 1010 or consent of GIS coordinator

**Textbook(s) and Other Course Materials:**

TBA

**I. Week/Unit/Topic Basis:**

TBA

**II. Course Objectives\*:**

- A. Provide opportunities for students to have unique experiences in learning about GIS applications. I, II, III, IV
- B. Understand relationships between GIS training received and applications by others. I, II, III, IV
- C. Understand new opportunities in GIS or related technology. I, II, III, IV

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

**III. Instructional Processes\*:**

Students will:

- 1. Use spatial elements, measurements, locations and references to develop graphic and numerical awareness of the real world. Understand how information in the form of maps and numbers connect to the physical world. *Numerical Literacy Outcome, Transitional*

*Strategy*

2. Be familiar with the basic procedures and the overall quality of GIS databases. *Numerical Literacy Outcome, Problem Solving and Decision Making Outcome*
3. Participate in open discussions regarding the strengths and weaknesses of GIS procedures and what improvements might be made in future releases. *Active Learning Strategies, 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 Mississippi 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 GIS. A, B, C
4. Demonstrate the ability to integrate the course information into GIS 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

**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. Use of Equipment:

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.