COLLIN COLLEGE

COURSE SYLLABUS

Course Information

Course Number: GISC 2231

Course Title: Advanced Problems in Geographic Information Systems (GIS)

Course Description: Seminar course designed for the final semester of a degree or certificate in Geographic Information Systems (GIS). Projects will include individual and group studies of GIS applications using the skills acquired in previous courses. The student will produce a professional project and present the results to a panel consisting of peers, instructors, or practicing GIS professionals.

Course Credit Hours: 2
Lecture Hours: 1
Lab Hours: 2

Prerequisite: GISC 2402 and GISC 2420

Student Learning Outcomes: Upon successful completion of this course, the student will be able to:

1. Utilize problem solving techniques in a structured manner in the completion of a major project or application in Geographic Information Systems.
2. Use appropriate software in a major project.
3. Produce a quality final report/drawing using standard tools and techniques.
4. Present findings or projects to a group made up of peers, instructors, and industry professionals.

Secretary's Commission on the Acquisition of Necessary Skills (SCANS) - The following SCANS skill are developed in this course: F6 – F11, C1, C5, C8, C10, C11 – C20. SCANS skills are a group of foundational skills and workplace competencies that the Secretary's Commission on the Acquisition of Necessary Skills established as vitally important for workplace success in the 21st century. In Collin's workforce programs, the SCANS skills are developed and reinforced throughout the curriculum to provide students with an opportunity to hone these skills/competencies in the context of their education. Over the course of an entire degree program, the successful student is expected to demonstrate all of the SCANS skills and competencies as part of their education. The SCANS Foundation Skills and Workplace Competencies are described at: http://www.collin.edu/academics/programs/Workforce_SCANS_Skills_Syllabi_Code_Key.pdf

Withdrawal Policy: See the current *Collin Registration Guide* for last day to withdraw.

Collin College Academic Policies: See the current *Collin Student Handbook.*

Americans with Disabilities Act Statement: Collin College will adhere to all applicable federal, state and local laws, regulations and guidelines with respect to providing reasonable accommodations as required to afford equal educational opportunity. It is the student's responsibility to contact the ACCESS office, SCC-D140 or 972.881.5898 (V/TTD: 972.881.5950) to arrange for appropriate accommodations. See the current *Collin Student Handbook* for additional information.