COLLIN COLLEGE
DIVISION OF BUSINESS and COMPUTER SYSTEMS
Course Syllabus

Course Information

Course Number: GISC 2335

Course Title: Programming for Geographic Information Systems (GIS)

Course Description: Focuses on the use of programming languages to customize and expand the capability of GIS applications. Instruction will include object-oriented and component programming. Students will also design their own Graphical User Interface (GUI).

Course Credit Hours: 3
Lecture Hours: 2
Lab Hours: 2

Prerequisites: GISC 1411 and COSC 1315

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

1. Describe and understand basic programming for GIS applications. (SCANS: F1 – F16, C1, C3, C5 – 20)
2. Perform programming for GIS customizations. (SCANS: F1 – F16, C1, C3, C5 – 20)

Secretary's Commission on the Acquisition of Necessary Skills (SCANS) - 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 the last day to withdraw.

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

Americans with Disabilities Act: 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 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.