COOPERATIVE EDUCATION – CARTOGRAPHY (GIS)
GISC2380-23401

Day/Time: Lectures: Ad hoc and per email
Labs: Performed on-site for company
Location: Internet based
Lab Hours: N-A

Professor: J. Scott Sires
Office: H115
Office phone: 972-860-4362
Office hours: Monday None
Tuesday 12:20 p.m. – 3:20 p.m.
Wednesday 4:30 p.m. – 6:30 p.m.
Thursday None
Friday None
Email: ssires@dcccd.edu

Lab Coordinator: Jerry Bartz
Office: H105
Office phone: 972-860-4796
Open Lab: M T W R, 8:00 a.m. to 4:00 p.m.
Email: gbartz@dcccd.edu

Textbooks: None required

COURSE INFORMATION

Number: 2380 Section: 23401 Credit Hours: 3

Description: Career-related activities encountered in the student’s area of specialization offered through an individualized agreement among the college, employer, and student. Under the supervision of the college and the employer, the student combines classroom learning with work experience. Includes a discussion component and [requires] job approval.

Prerequisites: Prior GISC course work.

Student Email: Students are to validate a secure email within eCampus; this is the primary email for our correspondence. Email is a chief communication protocol for the Geospatial Technology Program students. Students who do not validate their eCampus email WILL indeed miss necessary announcements. No extensions will be permitted due to a student’s failure to validate and use their eCampus email.

Objectives: This course will provide the student with real-world work experience in the application of Geographic Information Systems (GIS) and other geospatial technologies. By completing this course, students will:

Gain basic, practical experience in the application of GIS within a business/workplace
Apply geospatial theory to analyze, visualize and solve for spatially significant problems.
Operate industry specific tools and use industry specific equipment.
Apply industry standards, protocols and conform to industry-related state and federal guidelines.
Demonstrate legal and ethical behavior.
Demonstrate interpersonal and teamwork skills with both written and verbal communications.
Outline: 300 hours of work are required. Professor must engage with supervisor of intern both before and after the 300 hours, and during the performance of the 300 hours as needed. 3 geospatial challenges are identified prior to the start of 300 hours. These 3 challenges are assessed at the conclusion of the 300 hours.

<table>
<thead>
<tr>
<th>Week number</th>
<th>Expectations</th>
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<tbody>
<tr>
<td>1</td>
<td>Acquire a Geospatial technology internship AND professor must receive contact from supervisor regarding 3 geospatially-specific challenges the student is expected to address during the co-operative work study.</td>
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<tr>
<td>2 through 16</td>
<td>Perform and average of 20 hours of work per week (300 per semester) as instructed by the on-site supervisor</td>
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<tr>
<td>17 FINALS WEEK</td>
<td>Professor must receive contact from supervisor regarding your performance (assessment of the number of hours worked, professionalism demonstrated, and the 3 geospatial-specific challenges). Portfolio Items (3) due before 5:00 PM Thursday May 08th, 2014.</td>
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Participate in lectures (internet or email or eCampus, etc.) as offered by Instructor.

Recommendations: Maintain communication with course Instructor regarding on-site tasks and projects. Utilize Instructor to resolve complicated assignments and to gain insight regarding technical approaches and workflows.

Assessments: Contact hours at work site 60% As-needed Lecture participation/Portfolio of 3 items 20% Quality of work performance 20%

ADA Statement: If you are a student with a disability and/or special needs who requires accommodations, please contact the college Disability Services Office, in the S Building, Room S-124, 972-860-4847.

Religious Holidays: Absences for observance of a religious holy day are excused. The student is required to notify the instructor 10 days prior to the holiday. A student whose absence is excused to observe a religious holy day is allowed to take a make-up examination or complete an assignment within a reasonable time after the absence.

Academic Dishonesty: Scholastic dishonesty is a violation of the Code of Student Conduct. Scholastic dishonesty includes, but is not limited to, cheating on a test, plagiarism, and collusion.

As a college student, you are considered a responsible student. Your enrollment indicates acceptance of the Dallas County Community Colleges Code of Student Conduct published in the Dallas County Community Colleges Catalog. https://www1.dcccd.edu/cat0506/ss/code.cfm

Withdrawal Policy: If you are unable to complete this course, it is your responsibility to withdraw formally. The withdrawal request must be received in the Registrar’s Office by Thursday, April 17th, 2014. Failure to do so will result in your receiving a performance grade, usually an “F”. If you drop a class or withdraw from the college before the official drop/withdrawal deadline, you will receive a “W” (Withdraw) in each class dropped.

Six Drop Issue: **STOP BEFORE YOU DROP**
For students who enrolled in college level courses for the first time in the fall of 2007, Texas Education Code 51.907 limits the number of courses a student may drop. You may drop no more than 6 courses during your entire undergraduate career unless the drop qualifies as an exception. Your campus counseling/advising center will give you more information on the allowable exceptions. Remember that once you have accumulated 6 non-exempt drops, you cannot drop any other courses with a “W”. Therefore, please exercise caution when dropping courses in any Texas public institution of higher learning, including all seven of the Dallas County Community Colleges. For more information, you may access: https://www1.dcccd.edu/coursedrops

Repeating this course: Effective for Fall Semester 2005, the Dallas County Community Colleges will charge additional tuition to students registering the third or subsequent time for a course. All third and subsequent attempts of the majority of credit and Continuing Education/Workforce Training courses will result in additional tuition to be charged. Developmental Studies and some other courses will not be charged a higher tuition rate. Third attempts include courses taken at any Dallas County Community Colleges since the Fall 2002 Semester.

If you are receiving Financial Aid grants or loans, you must begin attendance in all classes. Do not drop or stop attending any class without consulting the Financial Aid Office. Changes in your enrollment level and failing grades may require that you repay financial aid funds.

Cell phones and pagers are no longer allowed in the Testing Center.

COURSE EDUCATIONAL OBJECTIVES
1. Understand and apply methods and appropriate technology to the study of the geospatial technologies.
2. Recognize geographic and quantitative methods and the differences between these approaches and other methods of inquiry and to communicate findings, analyses, and interpretation both orally and in writing.
3. Identify and recognize the differences among competing geographic theories.
4. Demonstrate knowledge of the major issues and problems facing geospatial technologies, including issues that touch upon ethics, values, and public policies.
5. Demonstrate knowledge of the interdependence of geospatial technology and their influence on, and contribution to modern culture.

COURSE INTELLECTUAL COMPETENCIES
1. Reading – The ability to analyze and interpret a variety of printed materials – books, documents, and articles.
2. Writing – The ability to produce clear, correct and coherent prose adapted to purpose, occasion and audience.
3. Speaking – The ability to communicate orally in clear, coherent and persuasive language appropriate to purpose, occasion, and audience.
4. Listening – Analyze and interpret various forms of spoken communication, possess sufficient literacy skills of writing, and reading.
5. Critical Thinking – Think and analyze at a critical level.

Right to Change syllabus: The instructor reserves the right to amend this syllabus as necessary.