Red River Boundary Retracement Course  
Department of Geospatial Information Sciences (GISc)  
Summer 2019

A. COURSE INFORMATION
Course number/section: GISC 4590.001  
Class meeting time: June 17-21, 2019 (tentative)/online  
Class location: Chapman Ranch Red River County, Texas  
Course Website: http://bb9.tamucc.edu

B. INSTRUCTOR INFORMATION
Instructor: Davey Edwards, PhD, PLS, LSLS, CFedS  
Office location: CBI 105  
Office hours: By appointment only.  
Telephone: (361) 825-3419  
e-mail: davey.edwards@tamucc.edu  
Appointments: By appointment only.

C. COURSE DESCRIPTION
Catalog Course Description
Provide field experience of searching for original monumentation established through a United States Supreme Court Commission in 1923 and the perpetuation of such monumentation as described by the United States Bureau of Land Management’s Manual of Surveying Instructions (§4-89) and direction from the Surveying Director of the Texas General Land Office.

D. PREREQUISITES AND COREQUISITES
Prerequisites
GISc 2470, GISc 2250, GISc 3412  
Corequisites
None

E. REQUIRED TEXTBOOK(S), READINGS AND SUPPLIES
Required Textbook(s)
None

Optional Textbook(s) or Other References
None

Supplies
Materials:
Calculator, laptop, mechanical pencil, drafting triangles, engineering scale, color map
pencils, field book

We will be given access to cabins onsite as this is a working/hunting ranch. The nearest town is 40 miles away.

Food and Drinks:
Bring food that is easy to prepare; sandwiches for lunch, quick breakfasts, and we can communicate meals for dinner before leaving. Snacks, if you want between meals. Water will be furnished. May want to bring Gatorade and soft drinks.

Clothing:
Enough clothes for a week of working outside in the summer time in Texas.
At least pants and boots, t-shirt or long-sleeve shirt, and caps, no shorts or tennis shoes!
(poison ivy, briars, snakes, hogs, etc.)

F. STUDENT LEARNING OUTCOMES AND ASSESSMENT
Assessment is a process used by instructors to help improve learning. Assessment is essential for effective learning because it provides feedback to both students and instructors. A critical step in this process is making clear the course’s student learning outcomes that describe what students are expected to learn to be successful in the course. The student learning outcomes for this course are listed below. By collecting data and sharing it with students on how well they are accomplishing these learning outcomes students can more efficiently and effectively focus their learning efforts. This information can also help instructors identify challenging areas for students and adjust their teaching approach to facilitate learning.

By the end of this course, students should be able to:

2. Research the Texas General Land Office and the United States Bureau of Land Management online archives for original land grant information.
3. Create a working sketch usable in field investigation for original monumentation.
4. Field work using land surveying equipment necessary for searching, identifying, and gathering field data.
5. Perpetuation of original monument by replacing and memorializing identified original monument through prescribed methods.
6. Preparation of data gathered in the field for survey report and sketch.

G. INSTRUCTIONAL METHODS AND ACTIVITIES
This course will have 20% face-to-face instructions and 80% online instructions. Students will be guided and instructed on what to do by a Texas License State Land Surveyor / U.S. Certified Federal Land Surveyor each day. Given the week-long camp environment,
unofficial instructions/lectures may be discussed before and after lecture times. Students will be required to submit their individual survey report and sketch at the end of the semester to complete the course.

**MAJOR COURSE REQUIREMENTS AND GRADING**

<table>
<thead>
<tr>
<th>ACTIVITY</th>
<th>% of FINAL GRADE</th>
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<tbody>
<tr>
<td>Research of record information</td>
<td>15</td>
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<tr>
<td>Creation of Working Sketch</td>
<td>15</td>
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<tr>
<td>Field Investigation and Gathering of Data</td>
<td>15</td>
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<tr>
<td>Perpetuation of Original Monumentation</td>
<td>15</td>
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<tr>
<td>Survey Report and Sketch</td>
<td>40</td>
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</tbody>
</table>

**H. COURSE CONTENT/SCHEDULE**

<table>
<thead>
<tr>
<th>DATE (BY DAY OR WEEK)</th>
<th>TOPIC</th>
<th>CHAPTER(S)</th>
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<tbody>
<tr>
<td>Week 1-2</td>
<td>• Create a working sketch from researched information</td>
<td>NA</td>
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<tr>
<td>Week 3, Day 1</td>
<td>• Settle into Living Quarters</td>
<td>NA</td>
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<td></td>
<td>• Go over Safety Procedures and Rules of the Ranch</td>
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<td></td>
<td>• Lecture on the Red River Boundary and the two independent Cadastral Systems</td>
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<tr>
<td></td>
<td>• Research the Texas GLO and US BLM online archives</td>
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<tr>
<td>Week 3, Day 2-3</td>
<td>• Field reconnaissance for establishing control</td>
<td>NA</td>
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<td>Week 3, Day 4</td>
<td>• Perpetuate identified original monumentation</td>
<td>NA</td>
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<td>Week 4, Day 5</td>
<td>• Lecture of how to report evidence found</td>
<td>NA</td>
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<td></td>
<td>• Begin sketch</td>
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<td></td>
<td>• Clean Living Quarters and leave</td>
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<tr>
<td>Week 5-6</td>
<td>• Complete survey report and</td>
<td>NA</td>
</tr>
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Note: Changes in this course schedule may be necessary and will be announced to the class by the Instructor. The assignments and exams shown are directly related to the Student Learning Outcomes described in Section F.

I. COURSE POLICIES

Attendance/Tardiness
Attendance is required during the field exercise week. No exception.

Late Work and Make-up Exams
Assignment for work is due at the end of the semester. No late work will be accepted.

Extra Credit
Extra Credit will be given on a case-by-case basis.

Cell Phone Use
Courtesy to be used during the class time.

Laptop Use
Laptops are not required but will be useful during the lecture week.

Food in Class
Courtesy to be used.

Missed Exam
NA

Participation
Participation is required and worth 60% of your final grade.

Others

J. COLLEGE AND UNIVERSITY POLICIES

- Academic Integrity (University)
  University students are expected to conduct themselves in accordance with the highest standards of academic honesty. Academic misconduct for which a student is subject to penalty includes all forms of cheating, such as illicit possession of examinations or examination materials, falsification, forgery, complicity or plagiarism. (Plagiarism is the presentation of the work of another as one’s own work.) In this class, academic misconduct or complicity in an act of academic misconduct on an assignment or test will result in a failing grade.
**Classroom/Professional Behavior**
Texas A&M University-Corpus Christi, as an academic community, requires that each individual respect the needs of others to study and learn in a peaceful atmosphere. Under Article III of the Student Code of Conduct, classroom behavior that interferes with either (a) the instructor’s ability to conduct the class or (b) the ability of other students to profit from the instructional program may be considered a breach of the peace and is subject to disciplinary sanction outlined in article VII of the Student Code of Conduct. Students engaging in unacceptable behavior may be instructed to leave the classroom. This prohibition applies to all instructional forums, including classrooms, electronic classrooms, labs, discussion groups, field trips, etc.

**Statement of Civility**
Texas A&M University-Corpus Christi has a diverse student population that represents the population of the state. Our goal is to provide you with a high quality educational experience that is free from repression. You are responsible for following the rules of the University, city, state and federal government. We expect that you will behave in a manner that is dignified, respectful and courteous to all people, regardless of sex, ethnic/racial origin, religious background, sexual orientation or disability. Behaviors that infringe on the rights of another individual will not be tolerated.

**Deadline for Dropping a Course with a Grade of W (University)**
I hope that you never find it necessary to drop this or any other class. However, events can sometimes occur that make dropping a course necessary or wise. *Please consult with your academic advisor, the Financial Aid Office, and me, before you decide to drop this course.* Should dropping the course be the best course of action, you must initiate the process to drop the course by going to the Student Services Center and filling out a course drop form. Just stopping attendance and participation WILL NOT automatically result in your being dropped from the class. Please consult the Academic Calendar (http://www.tamucc.edu/academics/calendar/) for the last day to drop a course.

**Grade Appeals (College of Science and Engineering)**
As stated in University Procedure 13.02.99.C2.01, Student Grade Appeal Procedures, a student who believes that he or she has not been held to appropriate academic standards as outlined in the class syllabus, equitable evaluation procedures, or appropriate grading, may appeal the final grade given in the course. The burden of proof is upon the student to demonstrate the appropriateness of the appeal. A student with a complaint about a grade is encouraged to first discuss the matter with the instructor. For complete details, including the responsibilities of the parties involved in the process and the number of days allowed for completing the steps in the process, see University Procedure 13.02.99.C2.01, Student Grade Appeal Procedures. These documents are accessible through the University Rules website at http://www.tamucc.edu/provost/university_rules/index.html, and the College of Science and Engineering Grade Appeals webpage at http://sci.tamucc.edu/students/GradeAppeal.html. For assistance and/or guidance in the
grade appeal process, students may contact the chair or director of the appropriate department or school, the Office of the College of Science and Engineering Dean, or the Office of the Provost.

- **Disability Services**
  The Americans with Disabilities Act (ADA) is a federal anti-discrimination statute that provides comprehensive civil rights protection for persons with disabilities. Among other things, this legislation requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities. If you believe you have a disability requiring an accommodation, please call (361) 825-5816 or visit Disability Services in Corpus Christi Hall 116.

  If you are a returning veteran and are experiencing cognitive and/or physical access issues in the classroom or on campus, please contact the Disability Services office for assistance at (361) 825-5816.

  [http://disabilityservices.tamucc.edu/](http://disabilityservices.tamucc.edu/)

- **Statement of Academic Continuity**
  In the event of an unforeseen adverse event, such as a major hurricane and classes could not be held on the campus of Texas A&M University–Corpus Christi; this course would continue through the use of Blackboard and/or email. In addition, the syllabus and class activities may be modified to allow continuation of the course. Ideally, University facilities (i.e., emails, web sites, and Blackboard) will be operational within two days of the closing of the physical campus. However, students need to make certain that the course instructor has a primary and a secondary means of contacting each student.

**K. OTHER INFORMATION**

- **Academic Advising**
  The College of Science & Engineering requires that students meet with an Academic Advisor as soon as they are ready to declare a major. The Academic Advisor will set up a degree plan, which must be signed by the student, a faculty mentor, and the department chair. Meetings are by appointment only; advisors do not take walk-ins. Please call or stop by the Advising Center to check availability and schedule an appointment. The College’s Academic Advising Center is located in Center for Instruction 350 or can be reached at (361) 825-3928.

**GENERAL DISCLAIMER**

I reserve the right to modify the information, schedule, assignments, deadlines, and course policies in this syllabus if and when necessary. I will announce such changes in a timely manner during regularly scheduled lecture periods.