GSEN 5382 – Legal Aspects of Spatial Information
Geospatial Surveying Engineering Program
Fall 2016

A. COURSE INFORMATION

Course number/section: GSEN 5382.001 & W01
Class meeting time: Lecture: Tu/Th (3:30pm to 4:45pm)
Class location: CBI 104
Course Website: http://bb9.tamucc.edu

B. INSTRUCTOR INFORMATION

Instructor: Dr. Tony Nettleman, PSM, Esq.
Office location: CBI 105
Office hours: M/W (10am – 11am); Th (2:00pm – 3:30pm)
Telephone: (361) 825-3419 (office) or (404) 539-3050 (cell)
E-mail: Charles.Nettleman@tamucc.edu
Appointments: Please e-mail for appointments

Please be aware that e-mails are typically returned within 24 hours and I will be traveling throughout the semester (dates will be posted shortly before each trip). For immediate assistance, please call my cell phone.

C. COURSE DESCRIPTION

Catalog Course Description
Legal ownership of spatial data and information collected in the public sector. Public access to large digital databases. Copyright law as applied to spatial data. Legal issues related to property boundaries, statutory boundaries, voter district boundaries, and jurisdictional boundaries. Government fees and charges for access to Spatial data. Social and economic value of spatial data. Prerequisites: GISC 2470, COSC 1372

D. PREREQUISITES AND COREQUISITES

Prerequisites
GISC 2470, COSC 1372

E. REQUIRED TEXTBOOK(S), READINGS AND SUPPLIES

Required Textbook(s)
Brown's Boundary Control and Legal Principles, (Robillard, 2013)

Supplies
- Windows Operating System (XP/Vista/7/8).
- Adobe PDF viewer. (e.g. Adobe Acrobat Reader).
- Web browser with Java Virtual Machine installed.
- Video player able to play MPEG-4 video (Quicktime, VLC, Windows Media Player).
- Speakers/headphones.
- Online students: Microphone and webcam.
- Online students: Consistent, weekly access to high-speed internet.

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:

1. Find, read, and interpret legal documents such as statutes and case law.
2. Explain the significance of land boundaries and list and describe three methods of creation.
3. Analyze the differences between land tenure systems and compare and contrast the tenure systems in at least three categories.
4. Identify different types of easements, understand easement terminology, and list two ways easements are created, conveyed, and terminated.
5. Compare and contrast the methods of simultaneous and sequential land transfers.
6. Create and interpret legal descriptions in the different land tenure systems; Illustrate the requirements for a valid legal description.
7. Explain the duties of a land surveyor; compare and contrast ethics and professional responsibility; describe what a surveyor is ethically permitted to do.

G. INSTRUCTIONAL METHODS AND ACTIVITIES

All lectures will be presented live in the classroom. In-person students will attend live lectures. Lectures will be held twice a week, skill checks will be given once a week, and quizzes will be given throughout the semester. Four projects will be assigned with two weeks to complete each project. Finally, a midterm and final exam will be administered.

H. MAJOR COURSE REQUIREMENTS AND GRADING

Student learning outcomes will be assessed through two examinations, quizzes, and a project.

<table>
<thead>
<tr>
<th>ACTIVITY</th>
<th>% of FINAL GRADE</th>
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<tbody>
<tr>
<td>Exams (2 @ 150)</td>
<td>30</td>
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<tr>
<td>Final Paper</td>
<td>10</td>
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<tr>
<td>Projects (4 @ 100)</td>
<td>40</td>
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<tr>
<td>Cases and Ethics Responses (10 @ 20)</td>
<td>20</td>
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</tbody>
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# I. COURSE CONTENT/SCHEDULE

<table>
<thead>
<tr>
<th>WEEK</th>
<th>TOPIC</th>
<th>CHAPTER(S)</th>
<th>ASSIGNMENTS</th>
</tr>
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<tbody>
<tr>
<td>1</td>
<td>Case Law</td>
<td>N/A</td>
<td>Case Briefs</td>
</tr>
<tr>
<td>2</td>
<td>History and concept of boundaries</td>
<td>1</td>
<td>N/A</td>
</tr>
<tr>
<td>3</td>
<td>How Boundaries are Created</td>
<td>2</td>
<td>Case Briefs</td>
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<tr>
<td>4</td>
<td>Non-sectionalized Boundaries</td>
<td>5</td>
<td>Ethics Memo</td>
</tr>
<tr>
<td>5</td>
<td>Public Land Survey System</td>
<td>6</td>
<td>Pgt #1 Due</td>
</tr>
<tr>
<td>6</td>
<td>Easements</td>
<td>8</td>
<td>Ethics Memo</td>
</tr>
<tr>
<td>7</td>
<td></td>
<td></td>
<td>Mid-Term Exam</td>
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<tr>
<td>8</td>
<td>Intro to Conveyances</td>
<td>11 and 12</td>
<td>Ethics Memo</td>
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<tr>
<td>9</td>
<td></td>
<td></td>
<td>Spring Break!</td>
</tr>
<tr>
<td>10</td>
<td>Understanding Land Descriptions</td>
<td>13</td>
<td>Case Briefs</td>
</tr>
<tr>
<td>11</td>
<td>Water Boundaries</td>
<td>9</td>
<td>Ethics Memo</td>
</tr>
<tr>
<td>12</td>
<td>Role of the Surveyor</td>
<td>14</td>
<td>Case Briefs</td>
</tr>
<tr>
<td>13</td>
<td>Ethics</td>
<td>15</td>
<td>Ethics Memo</td>
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<tr>
<td>14</td>
<td>Adverse Possession</td>
<td>Handout</td>
<td>Case Briefs</td>
</tr>
<tr>
<td>15</td>
<td>State</td>
<td>N/A</td>
<td>N/A</td>
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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.

# 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)**
  The grade of W will be assigned to any student officially dropping a course. Please consult with the instructor before you decide to drop to be sure it is the best thing to do. Just stopping attendance and participation WILL NOT automatically result in your being dropped from the class. Should dropping the course be the best course of action, visit the Office of the University Registrar for the Course Drop Form that must submitted. No student is eligible to receive a W without completing the official drop process by this deadline. 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/

- **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.