Field Camp I – GISC 2250.001/W01
Geographic Information Science Program
Spring 2018

A. COURSE INFORMATION
Course number/section: GISC 2250.001/W01
Class meeting time: Lecture: one week starting on 01/08/2018
Class location: CBI 104: or Online
Course Website: http://bb9.tamucc.edu

B. INSTRUCTOR INFORMATION
Instructor: Dr. Tony Nettleman, RPLS. Esq.
Office location: CBI 105
Office hours: M/W 7AM to 8AM and 10AM to 11AM; Friday 11AM to 12PM; or by appt.
Telephone: 361-825-3419
e-mail: Charles.Nettleman@tamucc.edu
Appointments: email for times

C. COURSE DESCRIPTION
Catalog Course Description
A one-week field camp with intensive field data collection and computations. Traversing between control points. Digital contour data and leveling control. Detail spatial data by total station. Construction set out using total station and steel band. Taken during the sophomore or junior year.

D. PREREQUISITES AND COREQUISITES
Prerequisites
GISC 2470

E. REQUIRED TEXTBOOK(S), READINGS AND SUPPLIES
Required Textbook(s)
Elementary Surveying (Ghilani, any edition)
TAMUCC Field Camp I Lab Manual (everyone must have a copy)
HP35s Calculator (optional)

Supplies
Fieldbook (free of charge, please see Dr. Nettleman)

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. Demonstrate proper equipment calibration techniques
2. Demonstrate proficiency in collecting data with total stations, GPS and differential levels
3. Demonstrate proficiency in reducing total stations, GPS and differential leveling data
4. Apply surveying principles to field practice

G. **INSTRUCTIONAL METHODS AND ACTIVITIES**

All lectures will be presented live in the classroom and recorded for posting online. In-person students will attend live lectures and labs while online students will watch lecture recordings and complete labs on their own time.

Lectures will be held twice a week, skill checks will be given once a week, and quizzes will be randomly 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>
</tr>
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<tbody>
<tr>
<td>Labs (field work, computations and lab reports)</td>
<td>50</td>
</tr>
<tr>
<td>Pre-lab skill checks (online)</td>
<td>20</td>
</tr>
<tr>
<td>post-lab skill checks (hands-on)</td>
<td>20</td>
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<tr>
<td>Complete Field Book</td>
<td>10</td>
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</tbody>
</table>

I. **COURSE CONTENT/SCHEDULE**

<table>
<thead>
<tr>
<th>Day</th>
<th>TOPIC</th>
<th>CHAPTER(S)</th>
<th>ASSIGNMENTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Benchmarks with Static GPS</td>
<td>14</td>
<td>See Lab Manual</td>
</tr>
<tr>
<td>2</td>
<td>Traversing with Total Stations</td>
<td>9 and 10</td>
<td>See Lab Manual</td>
</tr>
<tr>
<td>3</td>
<td>Leveling to Build Roads</td>
<td>5</td>
<td>See Lab Manual</td>
</tr>
<tr>
<td>4</td>
<td>Trig Leveling</td>
<td>4</td>
<td>See Lab Manual</td>
</tr>
<tr>
<td>5</td>
<td>UAS in Surveying</td>
<td>TBA</td>
<td>TBA</td>
</tr>
</tbody>
</table>

Missing one day of field camp without prior approval will result in an administrative “F.”

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)**
  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/

- **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.