GISC 2250.001– Field Camp 1
Geographic Information Science Program
Spring 2015

A. COURSE INFORMATION
Course number/section: GISC 2250.001
Class meeting time: MTWRFSU Jan. 5 through Jan 10, 2015
Class location: TBA

B. INSTRUCTOR INFORMATION
Instructor: Dr. Gary Jeffress
Office location: Blucher 111
Office hours: TBA
Telephone: 361-825-2720
e-mail: gary.jeffress@tamucc.edu
Appointments: Call or email to set appointment day and time.

C. COURSE DESCRIPTION
Catalog Course Description
This is a one week survey camp with intensive field data collection and computations. Will include closed traverse, digital leveling and digital contouring. Detail spatial data collection by Total station, construction set out using total station and steel band, e.t.c.
Prereq: Plane Spatial I – GISC 2470

D. PREREQUISITES AND COREQUISITES
Prerequisites
GISC 2470

E. REQUIRED TEXTBOOK(S), READINGS AND SUPPLIES
Required Textbook(s)

Supplies
Field book (e.g. http://bit.ly/1qzO0FL)

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. Explain the principles of measurements in horizontal and vertical planes. Familiarize with the concepts of land measurements and plane surveying.
2. Control the instrument used to carry out horizontal and vertical measurements.
3. Understand and explain the use of automation in the measurement of land as depicted on a plane reference system.
4. Produce map from surveying assignments.

G. INSTRUCTIONAL METHODS AND ACTIVITIES

- Attendance at the Camp for the duration of Field Camp.
- Completion and hand in of assignment by close of camp.
- Active participation in field exercises, individual computations, and reports.
- Preparation and hand in of property annotated survey plat

H. MAJOR COURSE REQUIREMENTS AND GRADING

Student learning outcomes will be assessed through numerous assignments, participation, and a final plan.

<table>
<thead>
<tr>
<th>ACTIVITY</th>
<th>% of FINAL GRADE</th>
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<tbody>
<tr>
<td>Recon/instrument check etc</td>
<td>10%</td>
</tr>
<tr>
<td>Field notes</td>
<td>20%</td>
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<tr>
<td>Constr. stake out (assign topo)</td>
<td>10%</td>
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<tr>
<td>Traverse Computations</td>
<td>20%</td>
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<tr>
<td>Final plan</td>
<td>20%</td>
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<tr>
<td>Participation (proposal, papers)</td>
<td>20%</td>
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I. COURSE CONTENT/SCHEDULE

<table>
<thead>
<tr>
<th>DAY</th>
<th>TOPIC</th>
<th>READING</th>
<th>ASSIGNMENTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Field reconnaissance, determine control/benchmark points.</td>
<td>Chapters 4 and 5</td>
<td>TBA</td>
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<tr>
<td>2</td>
<td>Check on total stations and levels (measure distances by various methods, closing the horizon, and 2 peg test)</td>
<td>Chapters 13, 14, 15</td>
<td>TBA</td>
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<tr>
<td>3</td>
<td>Traverse of secondary control for area included in detail survey of sit, buildings, and surroundings</td>
<td>Chapters 9 and 10</td>
<td>TBA</td>
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<tr>
<td>4</td>
<td>Level run from Benchmark to establish vertical control onsite. Also GPS to confirm control points (found or established on site)</td>
<td>Chapter 8</td>
<td>TBA</td>
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<tr>
<td>5</td>
<td>Computations of coordinates and elevations.</td>
<td>TBA</td>
<td>TBA</td>
</tr>
<tr>
<td>6</td>
<td>Detail survey/Construction stake out or topo.</td>
<td>TBA</td>
<td>TBA</td>
</tr>
<tr>
<td>7</td>
<td>Preparation of final plans</td>
<td>TBA</td>
<td>TBA</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. COURSE POLICIES

Attendance/Tardiness
Students are expected to attend regular class meetings.

Late Work and Make-up Exams
All assignments must be completed on time. Submission of an assignment after the due date is accepted, but with a penalty of 30% of the grade for the first 24 hours late, and 10% each additional 24 hours. Make-up exams and assignments are not permitted except for documented, exceptional reasons.

Extra Credit
No extra credit options are available for this course. No exceptions.

Food in Class
Do not eat food during class or lab. Food is forbidden in computer labs.
Email
Consider email as official correspondence warranting professional language. Professional emails include elements such as a short descriptive subject line, salutation, complete inquiry in the body of the message, your full name, and course and section number. Unprofessional emails will result in a non-response and request for proper correspondence.

Prior Learning and Lecture Slides
The professor will assume that prior to class you have made an earnest effort to understand the material. This will allow you to be prepared to engage the material in more detail or address misunderstandings in class. The slides in class are primarily for visual learners who need to both hear words and see text as they are learning. They are not meant for students to copy as a substitute for prior studying and learning. As such, students should not frantically try to write down everything from the lecture slides. Lecture is simply another time and place to encounter the material again since repeat exposure helps with memory and understanding. As such, your in-class lecture notes do not need to be extremely lengthy. Additionally, please pay attention to what is not on the slides, that is, the extra examples and vocabulary the professor mentions that are related to the slides.

Technological Excuses
Hard drive crashes and other computer woes will not be accepted as excuses for late submission. Students should, given the complexity of the tasks they will pursue, be sure that they maintain adequate backup copies of all aspects of their work. Additionally, plan ahead so that you will have time to use the on-campus computers and printers if necessary. You may NOT submit papers/assignments by e-mail. If for some reason you feel you have to do this, you must ask for, and receive, permission ahead of time; furthermore, you may not consider an e-mailed paper/assignment to be submitted until you have received a reply confirming that I have received the paper/assignment.

Communication about Life Events
It is the your (student’s) responsibility to keep up with the course instruction, assignments, and examinations. Should a life event interrupt your ability to meet these responsibilities, you must inform the instructor about this as soon as possible and within a reasonable amount of time so that a course of action can be determined. Communicating with the instructor about these life events in an unreasonable time frame is not acceptable and will not change the outcome of missed work nor will it be a valid reason to receive an ‘Incomplete’ designation for the course.

Originality of Work
Every exam and lab assignment for this class must be your own work. You may ask for clarification and assistance, but you may not copy or use anyone else’s work for any reason in this course, unless explicitly stated in a lab assignment or exam.
K. COLLEGE AND UNIVERSITY POLICIES

• Academic Integrity (University)
  It is expected that university students will demonstrate a high level of maturity, self-direction, and ability to manage their own affairs. Students are viewed as individuals who possess the qualities of worth, dignity, and the capacity for self-direction in personal behavior.

  See Full University Policy at http://catalog.tamucc.edu/content.php?catoid=10&navoid=313#Academic_Integrity

• 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.

• 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 by Friday, April 10, 2015. No student is eligible to receive a W without completing the official drop process by this deadline. Visit the Office of the University Registrar for the Course Drop Form that must submitted. After April 10, 2015 a student will not be allowed 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
Disability Services (DS) is the hub for coordinating services and accommodations to ensure accessibility and utilization of all programs for all Texas A&M University-Corpus Christi students with disabilities. Our services are designed to meet the unique educational needs of enrolled students with documented permanent or temporary disabilities. DS provides intake and consultation services to students seeking to register with our office. DS reviews an individual’s documentation of disability and assesses eligibility for services and the determination of reasonable accommodations. For more information visit the Disability Services Office at 116 Corpus Christi Hall or go to http://disabilityservices.tamucc.edu/

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.