COURSE NAME: GISC 4326 Geomatics Professional Practice 3 sem. hrs.

Semester Dates: July 7 to August 7

COURSE MEETING START TIME: Monday 21 July 2014 8:00 AM NRC 1003

COURSE MEETING FINISH TIME: Friday 25 July 2014 after examination.

LOCATION: Room NRC 1003

INSTRUCTOR: Dr. Gary A. Jeffress, RPLS
Office: CBI 110, Phone: 825-2720
EMail: gary.jeffress@tamucc.edu

COURSE DESCRIPTION:
An intensive one-week summer course presented by several practicing geomatics professionals covering many of the aspects of running a professional surveying practice in the State of Texas. Topics cover Surveyor responsibility and liability, the surveyor in court, standards of practice, surveying mathematics, Texas coordinate system, GNSS observations, and project control. Prerequisites: GISC 2470.

LEARNING OBJECTIVES:
1. Understand the principles of surveying methods with applications to professional practice.
2. Be familiar with the concepts of land law, in surveying.
3. Revise the basic mathematics of surveying
4. Revise the concepts of GIS/LIS.
5. Revise the concepts of photogrammetry.
6. Be familiar with the instrumentation used to carry out celestial observation measurements, traversing, and GPS control.
7. Understand the surveyor responsibility and liability in professional practice.

REQUIRED TEXTS:
- Class notes provided by instructors.
COURSE REQUIREMENTS:

Course requirements include the following:
1) Attendance at lectures and labs.
2) Completion and hand in of assignments by the due date.
3) Attendance and completion of quizzes on the scheduled date and time.
4) Participation in class discussion.
5) Prerequisite GISC 2470, or permission of instructor.

COURSE OUTLINE:

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<th>DAY</th>
<th>MATERIAL</th>
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<td>4</td>
<td>Texas Coordinate systems, continued. Geographic Information Systems and land Information Systems. Surveying applications of photogrammetry.</td>
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1 Subject to change.
ASSESSMENT:

1) Participation in discussion  30%  
2) Friday exam. 30%  
3) Final examination. 40%  
TOTAL  100%  

Grade Computation:

A ≥90  
B ≥80 and <90  
C ≥70 and <80  
D ≥60 and <70  
F <60  

GENERAL GUIDELINES FOR COURSES AND LABS  
IN THE GEOGRAPHIC INFORMATION SCIENCE PROGRAM  
CULTURE, REGULATIONS, MODES OF OPERATION AND PROCEDURES

These guidelines are designed to inform scholars of their responsibilities and of the course requirements in order to make this course a positive experience. The instructor is always available for consultation and discussion with students on any aspect of a course and of these general guidelines.

CLASS CULTURE

1. Consider yourself as a scholar rather than a student. The term “student” may imply some passivity, whereas the term “scholar” implies active participation, understanding and searching. We will use these terms interchangeably with the meaning of “scholar” implied. Osmosis does not work in a learning environment!
2. Further, define yourself as a “thinking explorer”. You are responsible for your education; an instructor can only be a guide and a facilitator. An instructor cannot learn for you. If you come across something that really interests you, explore it further.
3. Your experience at this University should not consist of passing a series of courses to earn a degree. Your experience should rather be a series of activities that will give you an education.
4. Concentrate on “learning to learn”. You will have to be a life-long learner to survive in your chosen career.
5. There is no such thing as a stupid question; there is such a thing as a stupid answer. So ask questions, the instructor is taking all the risks! Ask questions of your instructor and of your fellow scholars. Many times questions are more important than answers.
6. Keep copious notes of all that is going on in all the meetings related to your course. Make a note of what the instructor is stressing. At the end of each lecture you should be able to answer two questions: What did I learn from this lecture? and What was not clear to me? At the beginning of each lecture, if the instructor does not ask for questions, you need to ask if there is something you did not understand from the last lecture. Review, consolidate, annotate and organize your lecture/lab notes on a regular basis, at least once a week. The Internet is a tremendous resource and also a great danger. When you find information on the Internet, you have no idea if it is correct. View such information with caution. But, use the Internet to explore topics that interest you. Do not only prepare for the exam in a course – learn as much as you can on the topics introduced to you by the course material. You are responsible for the extent of your education!
7. In addition to details of the syllabus given in class, the syllabus for the course includes all the chapters of the required textbook/s unless indicated otherwise by the instructor. The student is responsible for all materials/topics covered in class, in handouts, in assignments, in labs, and in outings or field trips. The instructor is NOT responsible for informing absent students exactly what was covered in previous classes, meetings, etc.

**PROCEDURES & REGULATIONS**

1. The final letter grade for the class will be based on the raw composite numerical score obtained from the weighted average of the tests, quizzes, exams, labs, etc. as indicated by the instructor. The raw composite numerical score may be adjusted (curved) based on the highest score, the statistical profile of the scores and other academic standards or other considerations. Generally the letter grade of A is 90% and over of the adjusted score, a B is between 80% and 89% (inclusive) of the adjusted score, a C is between 70% and 79% (inclusive) of the adjusted score, a D is below 70% of the adjusted score and an F is below 60% of the adjusted score. Students missing more than three unexcused absences can lose 10% of the final grade. An incomplete (I) will only be given in very unusual circumstances. The University regulations on incomplete grades state: “An incomplete notation may be given to a student who is passing but has not completed a term paper, examination, or other required work for reasons beyond the student’s control other than the lack of time”. Students are expected to take ALL tests, quizzes, exams, etc., and to complete and hand in all labs and other assignments. There is no provision for “extra credit”. No final grades will be given via the telephone, e-mail, etc.

2. All University rules, regulations and expected student conduct apply to this course. Students are held responsible for the information given in the current Catalog and Student Handbook.

3. All labs, assignments, etc. must be handed in on the assigned due date. Scholars having problems must notify the instructor well before the due date. Marks will be deducted for poor and sloppily presented work.

4. Labs, etc. handed in after the due date may be subject to a penalty of loss of marks. Labs, etc. handed in after the graded labs, etc. have been returned to students will get zero marks but must be handed in to the instructor. Labs will be returned to students, after they have been graded, at a class meeting. Students who miss this meeting will be able to collect graded work in the marked box outside the instructor’s office.

5. Scholars are asked to take special note of the penalties, which the University attaches to Academic Dishonesty. Consult the Student Handbook.

6. All work handed in to the instructor must be the student's own work. Extracts, excerpts, etc. from the work of others must be suitably noted, acknowledged and properly referenced. Any Group Work will be judged in the same way. That is, it is the work of the group and the extracts, excerpts, etc. of others must be acknowledged.

7. All written and graphical work handed in must be presented neatly printed and bound (staples are adequate). Students written work will be judged on written communication skills, critical thinking and problem solving ability.

8. Students are expected to be present at all meetings (lectures, labs, etc.) of the class. Students are expected to be present at the date and time assigned for all tests, exams, quizzes, etc. There are NO provisions for making up missed exams except in cases where prior arrangements have been made and agreed to by the instructor.

9. During the assigned lab session, ONLY assigned labs are to be done. All other work must be done in other rooms.

10. All cellular phones and other similar devices MUST BE TURNED OFF during lectures, labs and other class meetings.

11. The instructor reserves the right to make changes to the above with due notice to the students. These changes will be announced in class and each student is responsible for keeping herself/himself informed of such changes.
**Grade Appeals**

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 (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.

**Disabilities Accommodations**

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 or visit Disability Services at (361) 825-5816 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.

**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.

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