Instructor: Stephen Shields
Office: VIN 114
Phone: 325-942-2242 (department office)
Email: Stephen.shields@angelo.edu

Office Hours: TR 9:30 – 10:15 am, or by appointment

Required Materials:
▪ Textbook: Getting to Know ArcGIS (with data CD), 4th edition, by Law, M. & Collins, A.
▪ ASU email account that you check regularly
▪ Blackboard course site

GRADING:
▪ 10 Weekly Exercises (5% each) 50%
▪ 1 Midterm Project 15%
▪ 1 Final Project 25%
▪ Daily Attendance 10%
  ▪ There will be no make-ups for daily attendance; however, you will have 3 unexcused absences dropped from your grade.

There will be no make-ups for homework, in-class activities, or quizzes. Make-up exams will be given for tests ONLY under extenuating circumstances. Prior email notification is needed for a make-up exam.

STUDENT LEARNING OUTCOMES:
Learning outcomes will be evaluated by lab assignments, projects, and exams. At the end of this course, the student will be able to:

1. Use ArcGIS software to create original final products.
2. Create, edit, and manage data using GIS.
3. Analyze datasets to identify if spatial patterns exist.
4. Design maps to visually communicate spatial relationships.
5. Create databases which are conducive to collaboration.

LECTURE:
A typical class meeting will be a daily lab exercise with supplemental information and discussion to aid in understanding the material.

ATTENDANCE POLICY:
You are expected to attend all scheduled class meetings. Please inform me well ahead of time if you will need to be absent for any reason including religious holidays. NOTE: You are NOT automatically dropped if you stop attending class. March 28th is the last day to drop a course.
CELL PHONES AND OTHER ELECTRONIC DEVICES:
Please keep all electronics on vibrate or silent. The use of any electronic device not authorized by the instructor during a test may result in the forfeiture of your grade for that test. All electronic devices should be turned off and stored out of sight during tests.

CLASS PREPARATION ASU EMAIL:
Since class announcements will be routinely distributed via email and Blackboard, you will need to regularly check your ASU email account and our course Blackboard site (daily). All course correspondence will be through your ASU email account and Blackboard. Please see the email policy in Bb for more details. ASU provides internet and email services to you at any of the computer labs on campus. Call 942-2911 to set this up if necessary.

STUDENTS WITH DISABILITIES:
ASU is committed to the principle that no qualified individual with a disability shall, on the basis of disability, be excluded from participation in or be denied the benefits of the services, programs or activities of the university, or be subjected to discrimination by the university, as provided by the Americans with Disabilities Act of 1990 (ADA), the Americans with Disabilities Act Amendments of 2008 (ADAAA), and subsequent legislation.

The Office of Student Affairs is the designated campus department charged with the responsibility of reviewing and authorizing requests for reasonable accommodations based on a disability, and it is the student’s responsibility to initiate such a request by contacting: Ms. Dallas A. Swafford, Director of Student Disability Services, 325-942-2047

TITLE IX:
Angelo State University is committed to the safety and security of all students. If you or someone you know experience sexual harassment, sexual assault, domestic or dating violence, stalking, or discrimination, you may contact ASU’s Title IX Coordinator: Michelle Nicole Boone, J.D., Director of Title IX Compliance, 325-486-6357, michelle.boone@angelo.edu, Mayer Administration Building 204A.

RELIGIOUS HOLY DAY:
A student who intends to observe a religious holy day should make that intention known in writing to the instructor prior to the absence. A student who is absent from classes for the observance of a religious holy day shall be allowed to take an examination or complete an assignment scheduled for that day within a reasonable time after the absence.

INCOMPLETE GRADE POLICY
It is policy that incomplete grades be reserved for student illness or personal misfortune. Please contact faculty if you have serious illness or a personal misfortune that would keep you from completing course work. Documentation may be required. See ASU Operating Policy 10.11 Grading Procedures for more information.
ACADEMIC INTEGRITY:
Students are expected to maintain complete honesty and integrity in all work. Any student found guilty of any form of dishonesty in academic work is subject of disciplinary action and possible expulsion from ASU. The College of Science and Engineering adheres to the Statement of Academic Integrity.

PLAGIARISM:
Plagiarism is a serious topic covered in ASU’s Academic Integrity policy in the Student Handbook. Plagiarism is the action or practice of taking someone else’s work, idea, etc., and passing it off as one’s own. Plagiarism is literary theft.

In your discussions and/or your papers, it is unacceptable to copy word-for-word without quotation marks and the source of the quotation. It is expected that you will summarize or paraphrase ideas giving appropriate credit to the source both in the body of your paper and the reference list.

Papers are subject to be evaluated for originality via Turnitin. Resources to help you understand this policy better are available at the ASU Writing Center.

COPYRIGHT POLICY:
Students officially enrolled in this course should make only one printed copy of the given articles and/or chapters. You are expressly prohibited from distributing or reproducing any portion of course readings in printed or electronic form without written permission from the copyright holders or publishers.

GENERAL POLICIES RELATED TO THIS COURSE:
All students are required to follow the policies and procedures presented in these documents:
1) Angelo State University Student Handbook
2) Angelo State University Catalog

GEOLOGIC EXHIBITION ORGANIZATION (GEO):
GEO, the student organization of all interested in geology (not just majors/minors), meets almost every Wednesday @ 6:00PM. GEO is a student chapter of the American Association of petroleum Geologists (AAPG). Sigma Gamma Epsilon, the national honor society of the earth sciences is related to GEO.

YOU CAN MAJOR OR MINOR IN GEOLOGY @ ASU!
See the BS in Geoscience requirements. A Geology Minor requires 18 hours of geology courses. Good and rewarding careers exist for geologists, geophysicists, hydrogeologists, secondary science teachers, and petroleum engineers. Talk to your professor and read information about geoscience careers.

FINAL NOTE:
It is my goal to make this class both interesting and informative for you. With a reasonable amount of effort, it should be possible for everyone to meet the course objectives and earn a passing grade. With additional effort, aptitude, and investment of time, students may earn even
higher course grades. If at any time you run into difficulties with the material, or need assistance or clarification, please do not hesitate to ask for help. I am here for you, and I will be glad to entertain any reasonable requests.

i http://blackboard.angelo.edu
ii https://www.angelo.edu/content/files/14197-op-1011-grading-procedures
iii http://www.angelo.edu/student-handbook/community-policies/academic-integrity.php
iv http://www.angelo.edu/student-handbook/community-policies/academic-integrity.php
v http://www.angelo.edu/dept/writing_center/academic_honesty.php
vi http://www.angelo.edu/student-handbook/
vii http://www.angelo.edu/catalogs/
viii http://www.aapg.org
ix https://www.angelo.edu/physics/geoscience_degree.php
x http://www.angelo.edu/dept/physics/Geosciences/geoscience_careers.php
<table>
<thead>
<tr>
<th>Week</th>
<th>Lab Topics</th>
<th>Lab Exercises and Assigned Readings</th>
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<tbody>
<tr>
<td>#1: 1/14–1/18</td>
<td>Introduction to GIS, examples of projects</td>
<td>None</td>
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<tr>
<td>#2: 1/22–1/25</td>
<td>GIS Data: models, coordinate systems</td>
<td>Chapter 3: Interacting with Maps exercises</td>
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<tr>
<td>#3: 1/28–2/1</td>
<td>Browsing, adding, and working with data</td>
<td>Chapter 4: Interacting with Data exercises</td>
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<td>#4: 2/4–2/8</td>
<td>Classifying data, displaying rasters, types of maps, types of data</td>
<td>Chapter 6: Working with coordinate systems and projections exercises</td>
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<td>#5: 2/11–2/15</td>
<td>Elements of map design, symbology, grids</td>
<td>Chapter 7: Symbolizing features exercises</td>
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<td>#6: 2/18–2/22</td>
<td>Advanced map symbology and displays</td>
<td>Chapter 8: Classifying features exercises</td>
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<td>#7: 2/25–3/1</td>
<td>Creating and managing different label types</td>
<td>Chapter 9: Labeling features exercises</td>
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<td>#8: 3/4–3/8</td>
<td>Creating final map products</td>
<td>Chapter 10: Making maps for presentation</td>
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<td>#9: 3/11–3/15</td>
<td>SPRING BREAK</td>
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<td>#10: 3/18–3/22</td>
<td>Review for midterm project</td>
<td>Midterm Project</td>
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<td>#12: 4/1–4/5</td>
<td>Creating and editing features</td>
<td>Chapter 12: Creating features exercises</td>
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<td>#13: 4/8–4/12</td>
<td>Creating and editing features</td>
<td>Chapter 13: Editing features exercises</td>
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<td>#14: 4/15–4/19</td>
<td>Data querying and selecting features</td>
<td>Chapters 15 and 16 exercises</td>
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<td>#15: 4/22–4/26</td>
<td>Data analysis</td>
<td>Chapter 18 Preparing data for analysis exercises</td>
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<td>#16: 4/29–5/3</td>
<td>Final Project</td>
<td>Final Project</td>
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<td>#17: 5/6–5/9</td>
<td>Final Project Presentation</td>
<td>Final Project Presentation</td>
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