Course Description:
This course will focus on the application of spatial analyses to interpret geologic structures and formations. Students are expected to learn to map different types of geology using remote techniques and interpret the geology of an area based on the provided data.

Number of Credit Hours: Three semester hours

Time: Field Geology I contains extensive written content requiring students to engage the online modules for at least nine hours per week. Primary source readings are woven into the content to support key concepts and provide perspective on geoscience concepts. In addition, students are required to complete quizzes over the course content, participate in weekly discussion forums, and complete multiple writing assignments that evaluate their comprehension of earth materials and processes. Successful completion of all elements for the course requires at least eighteen hours of additional student work each week.

Course Prerequisites: Structural Geology, Stratigraphy, Petrology

Program Learning Outcomes:
1. Execute geologic procedures and methods accurately, appropriately and efficiently. (Skills)
2. Apply principles of logic and reasoning to develop and analyze geologic problems. (Logical - Reasoning)
3. Demonstrate competence in using various geologic tools, including technology, to formulate, represent, and solve problems. (Critical thinking - Problem Solving)
4. Demonstrate proficiency in communicating geologic information in an appropriate form to the expected audience. (Communication)

Student Learning Outcomes:
The student is expected to:

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1. Recognize, identify and describe regional geologic phenomena.
2. Read and critique published literature.
3. Use spatial imagery to determine geologic structures.
4. Determine the geologic events that have occurred in an area.
5. Prepare geologic reports.

Text and Materials:
Online course material delivered via Brightspace by D2L, drafting equipment.

Course Calendar:

<table>
<thead>
<tr>
<th>Start Date</th>
<th>Topic *</th>
<th>Due Date**</th>
</tr>
</thead>
</table>
| June 26    | Syllabus, Course Organization  
              Project Resources  
              SFA Safety Guidelines  
              Safety Quiz (20 points) | June 29 10:00 p.m. |
| June 28    | Regional Geology of West Texas  
              • Project 1 (50 points)  
              • Project 2 (50 points)  
              • Reading Quiz (20 points)  
              • Discussions (2@10 points each) | July 5 10:00 p.m. |
| July 6     | Regional Geology of western New Mexico  
              • Project 3 (50 points)  
              • Project 4 (50 points)  
              • Reading Quiz (20 points)  
              • Discussions (2@10 points each) | July 12 10:00 p.m. |
| July 13    | Regional Geology of northern Arizona  
              • Project 5 (50 points)  
              • Project 6 (50 points)  
              • Project 7 (50 points)  
              • Reading Quiz (20 points)  
              • Discussions (2@10 points each) | July 19 10:00 p.m. |
| July 20    | Regional Geology of southwestern Utah  
              • Project 8 (75 points)  
              • Project 9 (75 points)  
              • Reading Quiz (20 points)  
              • Discussions (2@10 points each) | July 26 10:00 p.m. |
| July 27    | Regional Geology of western U.S.  
              • Project 10 (50 points)  
              • Geologic Report (100 points)  
              • Discussions (2@10 points each) | August 2 10:00 p.m. |
Field Geology I

<table>
<thead>
<tr>
<th>Date</th>
<th>Activity</th>
<th>Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>August 3</td>
<td>Final Thoughts and Survey</td>
<td>August 3</td>
</tr>
<tr>
<td></td>
<td></td>
<td>10:00 p.m.</td>
</tr>
<tr>
<td>August 4-5</td>
<td>Grading, Final Grades</td>
<td>August 6</td>
</tr>
</tbody>
</table>

*Projects may be changed or modified if necessary.

**No late work will be accepted.

**Attendance Policy:**

Students are expected to be available during the week at a mutually agreed upon time for orientation. The rest of the week will be independent study. All course materials will be delivered via Brightspace by D2L for ease of access.

**Grading Policy:**

Projects and reports will be graded on the following criteria:

- Thorough and complete work product
- Reasonable geologic interpretation of structural features
- Clarity and original thought*

*It is expected that you will use published material and literature as background; however, your geologic interpretations and descriptions, reports, and geologic histories will need to be in your own words. Some of this literature will be provided in course materials.

**Grades will be calculated in the following way:**

<table>
<thead>
<tr>
<th>Topic</th>
<th>Possible Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>Western Texas projects</td>
<td>100</td>
</tr>
<tr>
<td>Western New Mexico projects</td>
<td>100</td>
</tr>
<tr>
<td>Northern Arizona projects</td>
<td>100</td>
</tr>
<tr>
<td>Southwestern Utah projects</td>
<td>150</td>
</tr>
<tr>
<td>Western U.S. project</td>
<td>50</td>
</tr>
<tr>
<td>Geologic Report</td>
<td>100</td>
</tr>
<tr>
<td>Quizzes (5@20 points each)</td>
<td>100</td>
</tr>
<tr>
<td>Discussions (10@10 points each)</td>
<td>100</td>
</tr>
<tr>
<td>Total Possible Points</td>
<td>850</td>
</tr>
</tbody>
</table>

*Your points divided by the total point = %

100 – 90% = A; 89 – 80% = B; 79 – 70% = C; 69 – 60% = D; 59 – 00% = F

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Academic Integrity (A-9.1)

Academic integrity is a responsibility of all university faculty and students. Faculty members promote academic integrity in multiple ways including instruction on the components of academic honesty, as well as abiding by university policy on penalties for cheating and plagiarism.

Definition of Academic Dishonesty
Academic dishonesty includes both cheating and plagiarism. Cheating includes but is not limited to (1) using or attempting to use unauthorized materials to aid in achieving a better grade on a component of a class; (2) the falsification or invention of any information, including citations, on an assigned exercise; and/or (3) helping or attempting to help another in an act of cheating or plagiarism. Plagiarism is presenting the words or ideas of another person as if they were your own. Examples of plagiarism are (1) submitting an assignment as if it were one's own work when, in fact, it is at least partly the work of another; (2) submitting a work that has been purchased or otherwise obtained from an Internet source or another source; and (3) incorporating the words or ideas of an author into one's paper without giving the author due credit.

Please read the complete policy at http://www.sfasu.edu/policies/academic_integrity.asp

Withheld Grades Semester Grades Policy (A-54)

Ordinarily, at the discretion of the instructor of record and with the approval of the academic chair/director, a grade of WH will be assigned only if the student cannot complete the course work because of unavoidable circumstances. Students must complete the work within one calendar year from the end of the semester in which they receive a WH, or the grade automatically becomes an F. If students register for the same course in future terms the WH will automatically become an F and will be counted as a repeated course for the purpose of computing the grade point average.

The circumstances precipitating the request must have occurred after the last day in which a student could withdraw from a course. Students requesting a WH must be passing the course with a minimum projected grade of C.

Students with Disabilities

To obtain disability related accommodations, alternate formats and/or auxiliary aids, students with disabilities must contact the Office of Disability Services (ODS), Human Services Building, and Room 325, 468-3004 / 468-1004 (TDD) as early as possible in the semester. Once verified, ODS will notify the course instructor and outline the accommodation and/or auxiliary aids to be provided. Failure to request services in a

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timely manner may delay your accommodations. For additional information, go to http://www.sfasu.edu/disabilityservices/.

Mental Health Resources

SFASU values students’ mental health and the role it plays in academic and overall student success. SFA provides a variety of resources to support student’s mental health and wellness. Many of these resources are free, and all of them are confidential.

On-campus Resources:
SFASU Counseling Services
www.sfasu.edu/counselingservices
3rd Floor Rusk Building
936-468-2401

SFASU Human Services Counseling Clinic
www.sfasu.edu/humanservices/139.asp
Human Services Room 202
936-468-1041

Crisis Resources:
Burke 24-hour crisis line 1(800) 392-8343
Suicide Prevention Lifeline 1(800) 273-TALK (8255)
Crisis Text Line: Text HELLO to 741-741