Class Syllabus

2018 / Spring
GOL 472, Section 1
Field Methods

Name: R. LaRell Nielson and Chris Barker
Department: Geology Department
Email: rnielson@sfasu.edu
cbarker@sfasu.edu
Phone: (936) 468-2248
Office: 304 Miller Science
        305 Miller Science

Office Hours: M, W 10-11:00 a.m., M, W 2-3 p.m., W 6:15-6:45 p.m., T, R 11 – 12, 1:30-2:30 p.m.

Class meeting time and place: 2:30 – 5 PM, Thursday, 326 Miller Science Bld. Most class meetings will be at field locations.

Text and Materials:
Compton, Robert R., 1985, Geology in the Field, John Wiley and Sons, Inc p.398. (Recommended)

Course Requirements:

Seven Class Projects – Complete during the semester
Field Trip to Southern Oklahoma (April 12-15, 2018)

Program Learning Outcomes:

1. Demonstrate knowledge of the fundamental core geologic concepts (Mineralogy, Petrology, Structural Geology, Stratigraphy, Geophysics and Geochemistry). (Concepts)
2. Execute geologic procedures and methods accurately, appropriately and efficiently. (Skills)
3. Apply principles of logic and reasoning to develop and analyze geologic problems. (Logical - Reasoning)
4. Demonstrate competence in using various geologic tools, including technology, to formulate, represent, and solve problems. (Critical thinking - Problem Solving)
5. Demonstrate proficiency in communicating geologic information in an appropriate form to the expected audience. (Communication)
Student Learning Outcomes:

1. Learn to use the Brunton compass
2. Take accurate measurements with the Brunton compass
3. Produce maps using pace and compass methods
4. Construct geologic maps from field data

Course Calendar:

<table>
<thead>
<tr>
<th>No.</th>
<th>TOPIC</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Introduction to Brunton Compass</td>
</tr>
<tr>
<td>2.</td>
<td>Rock Garden Brunton Compass exercise</td>
</tr>
<tr>
<td>3.</td>
<td>Strike and dip of joints</td>
</tr>
<tr>
<td>4.</td>
<td>Strike and dip of cross-bedding</td>
</tr>
<tr>
<td>5.</td>
<td>Pace and compass exercise</td>
</tr>
<tr>
<td>6.</td>
<td>Geologic Map of Nacogdoches</td>
</tr>
<tr>
<td>7.</td>
<td>Required Field Trip Southern Oklahoma</td>
</tr>
<tr>
<td>8.</td>
<td>Southern Arbuckle Mts.</td>
</tr>
</tbody>
</table>

Should there be a day when it is raining, making it impossible to go into the field, class will be held 336 Miller Science. If it is raining check your campus email to see where class will be located.

Grading Policy:

To receive a C grade or better in Field Methods you must receive a passing grade ACT Geology exam and on the following projects.

| Project 1. Strike and dip in Rock Garden | 100 Points |
| Project 2. Strike and dip of joints    | 100 Points |
| Project 3. Strike and dip of cross-bedding | 100 Points |
| Project 4. SFA Pace and Compass Map   | 200 Points |
| Project 5. Nacogdoches Geologic Map   | 300 Points |
| Project 6. Southern Arbuckle Mts. Map | 100 Points |
| Project 7. Northern Arbuckle Mts. Map | 100 Points |

____ 1000 Pts
Possible
% (Your total points divided by the points possible.)
100-90% = A  89-80% = B  79-70% = C  69-60% = D 59-0% = F

**Attendance Policy:**

Do not miss scheduled classes unless you have a doctor’s excuse or official university excuse.

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