Class Syllabus

Fall Semester 2020
Geology 1303, Section 003
Introductory Geology

Name: R. LaRell Nielson
Department: Geology Department
Email: rnielson@sfasu.edu
Phone: (936) 468-3701
Office: 304 Miller Science
Office Hours: 11 -12 M-R, 2:15-3 M, T, and W or by appointment. Office hours will be open for face to face visits, by phone and through zoom meetings.
Class meeting time and place: 9:30 T, and R 234 Miller Science Building.
Class will meet through zoom meetings on line the first day of class, for review days for the midterm and final and to go over the exams following the exam closing date. These meetings will be recorded and posted to D2L for those that can’t attend.

Course Description:

Fundamentals of Earth Science (GOL 101) Two hours lecture, two hours laboratory per week. An introduction to the fundamental principles of Earth science. Topics include the Earth’s structure and surface landforms; mineral and energy resources; geologic hazards such as volcanoes, earthquakes and landslides; water resources and the unifying theory of plate tectonics. May not be taken by geology majors.

Number of Credit Hours: 3

Course Prerequisites and Corequisites: None

Program Learning Outcomes:

1. Demonstrate knowledge of fundamental geoscience concepts. (Concepts)
2. Execute geoscience procedures and methods accurately, appropriately, and safely. (Geoscience Skills)
3. Demonstrate proficiency in interpretation and communication of geoscience information. (Scientific Communication)
4. Apply geoscience concepts, skills, and scientific communication to identify, analyze, and interpret geoscience phenomena. (Research)

Student Learning Outcomes:
The student is expected to understand and apply the following concepts to land processes:

1. Recognize and understand the materials that the earth is made of.
2. Understand the Earth building materials such as minerals and rocks and be able to identify them.
3. Study the process that modify our earth surface and understand the impact that they have on us.
4. Be aware of geologic hazards that effect all of us.
5. Develop an understanding of plate tectonics and how it effects our lives.

Course Requirements:

Two Exams
Final Exam
Lecture discussion questions posted and answered in D2L following and associated with each Zoom Lecture

Text and Materials:

Text: An Introduction to Geology by Chris Johnson, Matthew D. Affolter, Paul Inkenbrandt, Cam Mosher: https://opengeology.org/textbook/ (This is an open source textbook that you can use for free.)

Tentative Course Calendar:

<table>
<thead>
<tr>
<th>Date</th>
<th>Top</th>
<th>Reading Ass.</th>
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<tbody>
<tr>
<td>08/25</td>
<td>Introduction</td>
<td>1</td>
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<tr>
<td>08/27</td>
<td>The earth in context</td>
<td>1</td>
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<tr>
<td>09/01</td>
<td>Plate Tectonics System</td>
<td>2</td>
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<tr>
<td>09/03</td>
<td>Hydrologic System</td>
<td>2</td>
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<td>09/08</td>
<td>Geologic Time</td>
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<tr>
<td>09/10</td>
<td>Energy and Matter</td>
<td>3</td>
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<td>09/15</td>
<td>Minerals</td>
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<td>09/17</td>
<td>Minerals</td>
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<tr>
<td>09/22</td>
<td>Exam 1</td>
<td>1-3</td>
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<tr>
<td>09/24</td>
<td>Earthquakes</td>
<td>9</td>
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<tr>
<td>09/29</td>
<td>Earth’s Interior</td>
<td>9</td>
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<tr>
<td>10/01</td>
<td>Rock Cycle</td>
<td>2</td>
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<tr>
<td>10/06</td>
<td>Intrusive Igneous Rocks</td>
<td>4</td>
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<tr>
<td>10/08</td>
<td>Volcanoes and Ex. Igneous Rocks</td>
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10/13 Weathering and Soils 5
10/15 Sedimentary Rocks 5
10/20 Metamorphic Rocks 6
10/22 Exam 2 and Rock Classification Chart 5-8
10/27 Geologic Time – Earth History 7
10/29 Mass Wasting 10
11/03 River System 11
11/05 Coastal Environments 12
11/10 Coastal Environments 12
11/12 Ground Water 11
11/17 Deserts 13
11/19 Arid Lands, Winds, and Desertification 13
11/26 Thanksgiving – No Class
11/28 Thanksgiving – No Class
12/01 Glaciation and Climate Change 14
12/03 Structural Geology - Review for Final Exam 9

Final Exam: Final Exam: 9:30 M, Tuesday, December 08, 2020

Grading Policy:

Three announced exams will be given.
A number of short unannounced quizzes will be given.

Lecture Exam I ________ 100 Points Possible
Lecture Exam II ________ 150 Points Possible (Time and Rock Chart)
Final Exam ________ 250 Possible (50 Time and Rock Chart)
Questions ________ 125 Points Possible

Your Total Points ________

\[ \frac{\text{Your total points}}{\text{points possible}} \times 100\% \]

Final Grade \[ \left( \text{Class \%} \times 2 \right) + \frac{\text{Lab \%} \times 1}{2} \] = Grade
Lab and lecture grades will be combined to produce the final grade.
Lecture will count 2/3 and Lab will count 1/3.
100-90\%=A 89-80\%=B 79-70\%=C 69-60\%=D 59-0\%=F

Make-Up Exams:

No make-up exams will be given. Exams must be taken during the period that that exam is active in D2L. This will usually be week period. If there is a problem please let me know.

Attendance Policy:
Students are required to attend every lecture and complete questions over lecture.

**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/.

**COVID-19 Mask Policy**

Masks (cloth face coverings) must be worn over the nose and mouth at all times in this class and appropriate physical distancing must be observed. Students not wearing a mask and/or not observing appropriate physical distancing will be asked to leave the class. All incidents of not wearing a mask and/or not observing appropriate physical distancing will be reported to the Office of Student Rights and Responsibilities. Students who are reported for multiple infractions of not wearing a mask and/or not observing appropriate physical distancing may be subject to disciplinary actions.