Class Syllabus

Fall Semester 2020
Geology 1304, Section 001
Historical Geology

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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:

The Earth Through Time (GEOL 1304) - Four semester hours, three hours lecture, two hours laboratory per week. History and development of the continents and ocean basins and the evolution of life on Earth. Includes earthquakes and the Earth’s interior, mountain building, drifting continents and sea-floor spreading, the ice ages, space science and oceanography.

Prerequisite: Geology 1303

Number of Credit Hours: 3

Course Prerequisites and Corequisites: GOL 1303

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. 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:**

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

1. A student will know principles of dating earth materials and geologic time.
2. Recognize the major groups of organism that lived during each of the divisions of geologic time.
3. Understand the tectonic processes that have operated on the Earth.
4. Study the major geologic events in the evolution of North America.

**Course Requirements:**

Two Exams  
Final Exam  
Quizzes (About 10)

**Text and Materials:**

*The Changing Earth: James S. Monroe and Reed Wicander*

**Tentative Course Calendar:**

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<th>Order of Topics</th>
<th>Reading Assignment</th>
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<tr>
<td>1.</td>
<td>Introduction to Historical Geology - Plate Tectonics – Chapter 1</td>
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<td>2.</td>
<td>Minerals – Chapter 3</td>
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<td>3.</td>
<td>Igneous Rocks – Chapter 4 and 5</td>
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<td>4.</td>
<td>Sedimentary Rocks – Chapter 6</td>
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<td>5.</td>
<td>Metamorphic Rocks – Chapter 7</td>
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<td>6.</td>
<td>Principles and Concepts of Stratigraphy – Chapter 17</td>
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<td>7.</td>
<td>Geologic Time – Chapter 17</td>
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<td>8.</td>
<td>Exam 1.</td>
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<td>10.</td>
<td>Structural Geology - Chapter 10</td>
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<td>11.</td>
<td>Earthquakes – Earth’s Interior - Chapter 8</td>
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<td>12.</td>
<td>Sea Floor – Mountain Belts – Plate Tectonics – Chapter 2</td>
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<td>14.</td>
<td>Precambrian Earth and Life History – Chapter 19</td>
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15. Paleozoic Earth and Life History – Chapter 20
16. Mesozoic Earth and Life History – Chapter 21
17. Cenozoic Earth and Life History – Chapter 22
18. Conclusions

Final Exam: Final Exam: 1:30 – 4:00 PM, Tuesday, December 8, 2020 @ 8 am – 10:30 am.

Grading Policy:

Lecture Exam 1: 100 points
Lecture Exam 2: 100 points
Final Exam: 200 points
Quizzes: 100 points
Total points: 500 points possible

% Your points divided by the points possible

Final Grade [(Class % X 2) + Lab %]/3=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:

Do not miss schedule exams unless you have a Doctor’s excuse or Dean of Students Excuse. I reserve the right to give an oral exam as a make-up. Unexcused absence = 0.

Attendance Policy:

Students are required to attend every lecture. Attendance will be monitored by unannounced quizzes, up to two per class period, that will effects the course grade. If you are ill or have a university excuse contact me before class.

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 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.