

Spring 2019

## GEOL102: Historical Geology

CRN: 33024 (Lec) 33025 (Lab)

Instructor: Dr. Alan Cutler

Text: *Historical Geology* (7<sup>th</sup> or 8<sup>th</sup> ed.), Wicander and Monroe

Lecture: Tue, Thur 9:00 -10:15 AM

Lab: Tue, Thur 10:20 AM - 11:35 AM

Room 404 Science Center

| Week | Day   | Date   | Lecture Topic                              | Text Chapter | Lab Topic                 |
|------|-------|--------|--|--------------|---------------------------|
| 1    | Tues  | 22-Jan | Introduction                               | Ch.1         | Minerals                  |
|      | Thurs | 24-Jan | Historical Overview                        | Ch.1         | Minerals                  |
| 2    | Tues  | 29-Jan | Minerals and Rocks                         | Ch.2         | Minerals                  |
|      | Thurs | 31-Jan | Minerals and Rocks                         | Ch.2         | Rocks                     |
| 3    | Tues* | 5-Feb  | Plate Tectonics                            | Ch.3         | Rocks                     |
|      | Thurs | 7-Feb  | Plate Tectonics                            | Ch.3         | <b>QUIZ</b>               |
| 4    | Tues* | 12-Feb | Geologic Time                              | Ch.4         | Geologic Time             |
|      | Thurs | 14-Feb | Rocks, Fossils, and Time                   | Ch.5         | Geologic Time             |
| 5    | Tues* | 19-Feb | Rocks, Fossils and Time                    | Ch.5         | Stratigraphy              |
|      | Thurs | 21-Feb | Sedimentary Rocks                          | Ch.6         | Stratigraphy              |
| 6    | Tues* | 26-Feb | Sedimentary Rocks                          | Ch.6         | Sedimentary Environments  |
|      | Thurs | 28-Feb | Evolution                                  | Ch.7         | Sedimentary Environments  |
| 7    | Tues* | 5-Mar  | Evolution                                  | Ch.7         | <b>QUIZ</b>               |
|      | Thurs | 7-Mar  | <b>EXAM 1</b>                              |              |                           |
| 8    | Tues  | 12-Mar | <b>SPRING BREAK</b>                        |              |                           |
|      | Thurs | 14-Mar |  |              |                           |
| 9    | Tues  | 19-Mar | Hadean/Archean                             | Ch.8         | Fossils and Fossilization |
|      | Thurs | 21-Mar | Proterozoic                                | Ch.9         | Biological Classification |
| 10   | Tues* | 26-Mar | Early Paleozoic Geology                    | Ch.10        | Fossil Invertebrates      |
|      | Thurs | 28-Mar | Late Paleozoic Geology                     | Ch.11        | Fossil Invertebrates      |
| 11   | Tues* | 2-Apr  | Early Paleozoic Life                       | Ch.12        | Fossil Invertebrates      |
|      | Thurs | 4-Apr  | Late Paleozoic Life                        | Ch.13        | Fossil Invertebrates      |
| 12   | Tues* | 9-Apr  | Mesozoic Geology                           | Ch.14        | <b>QUIZ</b>               |
|      | Thurs | 11-Apr | Mesozoic Life                              | Ch.15        | Paleobiology              |
| 13   | Tues* | 16-Apr | Mesozoic Life                              | Ch.15        | Paleobiology              |
|      | Thurs | 18-Apr | Cenozoic Geology                           | Ch.17        | Geologic Maps             |
| 14   | Tues* | 23-Apr | Quaternary Geology                         | Ch.17        | Geologic Maps             |
|      | Thurs | 25-Apr | Cenozoic Life                              | Ch.18        | Regional Geology          |
| 15   | Tues* | 30-Apr | Human Evolution                            | Ch.19        | Regional Geology          |
|      | Thurs | 2-May  | Wrap up & review                           |              | <b>TBA</b>                |
| 16   | Thurs | 9-May  | <b>EXAM 2</b><br><b>May 9, 8:00-10: am</b> | -<br>-       |                           |

\*Lecture  
quiz

**SMITHSONIAN DEEP TIME SYMPOSIUM.** Friday, March 29,  
10AM – 4:30pm

**FIELD TRIP SATURDAY, APRIL 27, 9AM – 5:30PM (Full Day)**