Instructor Contact Information:
Diana Vineyard dvineyard@dccc.edu
ALL communication must take place through email. I check my email at least once a day. ALWAYS include your first initial, last name, and COURSE NAME & SECTION NUMBER IN THE SUBJECT LINE. For example: DVineyard GEOL 1401-26401.

You may rent the textbook and lab manual. 9th edition of Lab Manual is required to work labs. No access codes are required for the course.

Course Description: This course is for the non-science major. It is an introductory survey of physical geology, historical geology, oceanography, meteorology, and astronomy. It relates the interaction of the earth sciences to the physical world. (3 Lec., 3 Lab.)

Learning Outcomes:
GEOL 1401 Lecture learning outcomes. Upon successful completion of this course, students will:
1. Explain the current theories concerning the origin of the Universe and of the Solar System.
2. Explain the place of Earth in the Solar System and its relationships with other objects in the Solar System.
3. Relate the origin and evolution of Earth’s internal structures to its resulting geologic systems, including Earth materials and plate tectonic activities.
4. Explain the operation of Earth’s geologic systems and the interactions among the atmosphere, the geosphere, and the hydrosphere, including meteorology and oceanography.
5. Explain the history of the Earth including the evolution of earth systems and life forms.

GEOL 1401 Lab learning outcomes. Upon successful completion of this course, students will:
1. Classify rocks and minerals based on chemical composition, physical properties, and origin.
2. Apply knowledge of topographic maps, diagrams, and/or photographs to identify landforms and explain the processes that created them.
3. Differentiate the types of plate boundaries, explain the processes that occur at each and identify associated structural features on maps, block diagrams and cross sections.
4. Apply relative and numerical age-dating techniques to construct geologic histories.
5. Measure atmospheric processes that affect weather and climate.
6. Describe the composition and motion of ocean water and analyze the factors controlling both.
7. Compare properties and motions of objects in the solar system.
8. Demonstrate the collection, analysis, and reporting of data.

Attendance Policy: This course is 100% online and meets Monday, July 8 – Thursday, August 8. You will not be required to attend a conventional classroom. You are free to schedule your class time any way you wish. But with this freedom comes responsibility! Manage your time wisely. Be attentive to deadlines and do not put everything off to the last minute.

Method of Evaluation:
Lecture Assignments = 65%
Lab Assignments = 35%
## COURSE SCHEDULE

*Final schedule to be posted*

<table>
<thead>
<tr>
<th>DUE DATE</th>
<th>LECTURE ASSIGNMENTS</th>
<th>LAB ASSIGNMENTS</th>
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</thead>
<tbody>
<tr>
<td>TO BE POSTED</td>
<td>Lecture consists of chapter quizzes, two lowest grades dropped, and one discussion board.</td>
<td>Labs consists of exercises from the required lab manual. Selected questions will be answered online in the specific lab assignment. Extra credit questions are offered.</td>
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<tr>
<td>All assignments due by Thursday August 8, 11:59 PM</td>
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| | NO FINAL EXAM | |

## IMPORTANT COLLEGE POLICIES AND PROCEDURES

### PREREQUISITES

One of the following must be met: (1) DREA 0093 or (2) English as a Second Language (ESOL) 0044 or (3) have met the Texas Success Initiative (TSI) Reading standard.

### CAMPUS EMERGENCY OPERATION PLAN

Brookhaven College and the Dallas County Community College District have developed policies and procedures for dealing with emergencies that may occur on campus. To familiarize yourself with these procedures, please take time to watch the overview video: [http://video.dcccd.edu/rtv/D0/emergency_dcccd.wmv](http://video.dcccd.edu/rtv/D0/emergency_dcccd.wmv). If you have questions or concerns, please contact the Brookhaven College Police. This office can be reached by phone (972/860-4290) or 911 from a college telephone.

For additional, and important information on institutional policies pertaining to this course and your experience at Brookhaven College, click the link below: [https://alt.brookhavencollege.edu/employees/faculty/Documents/BCSyllabus_Addendum.pdf](https://alt.brookhavencollege.edu/employees/faculty/Documents/BCSyllabus_Addendum.pdf)

**The instructor reserves the right to amend this syllabus as necessary**