GEOL 1401 (Section 51400), Fall 2020

El Centro College
Dallas County Community College District

Lecture Instructor Information
Name: Nancy Fields
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Office Location: A-550
Office Hours: M 9-9:30 a.m., 12:30-2:10 p.m.; T 9-9:30 a.m, 12:30-2:10 p.m.; W 1:30-2:10

Lab Instructor Information
Name: Steve McCauley
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Email: smccauley@dcccd.edu

Course Information
Course Title: Earth Science
Course & Section Number: GEOL 1401, Section 51400
Semester/Year: Fall 2020
Credit Hours: 4
Class Meeting Time/Location: Lecture: Online; Lab: Online

Course Description
The Texas Academic Course Guide Manual (ACGM) lists GEOL 1401 as, “Survey of geology, meteorology, oceanography, and astronomy.” This course is for the non-science major. It covers the interaction of the earth sciences and the physical world. Physical and historical geology, oceanography, and meteorology are included. Emphasis is placed on a better understanding of earth processes and man.
Coordinating Board Academic Approval Number: 40.0601.51 03

Course Prerequisites
Developmental Reading 0093 or English as a Second Language (ESOL) 0044 or have met the Texas Success Initiative (TSI) standard in reading.

Statement of Purpose and Core Objectives
Statement of Purpose
Through the Texas Core Curriculum, students will gain a foundation of knowledge of human cultures and the physical and natural world, develop principles of personal and
social responsibility for living in a diverse world, and advance intellectual and practical skills that are essential for all learning.

Core Objectives
This course supports, develops, and assesses the following Core Objectives:

A. Critical Thinking Skills (CT) - creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information
B. Communication Skills (COM) - effective development, interpretation and expression of ideas through written, oral and visual communication
C. Empirical and Quantitative Skills (EQS) - manipulation and analysis of numerical data or observable facts resulting in informed conclusions
D. Teamwork (TV) - ability to consider different points of view and to work effectively with others to support a shared purpose or goal

Student Learning Outcomes (SLOs)
Learning Outcomes are based on the Core Objectives above. Students will be able to:

Lecture Objectives
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.

Lab Objectives
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.

About the Syllabus
Please read the following thoroughly. Your syllabus is the most important document you will receive in this class and you are responsible for knowing all the information in this document. Your grade in this course is dependent on your knowledge of this information. I highly suggest that you print a copy of the syllabus and keep it with you.

Required Course Materials
IMPORTANT: Your learning materials for this course are being provided to you at no cost.
This course is part of the Dallas College called IncludED. Your Mastering Geology access code and eTextbooks will be provided to you free of charge.

Grading Policy

<table>
<thead>
<tr>
<th>Item</th>
<th>% of Overall Grade</th>
<th>Point Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Syllabus quiz</td>
<td>2%</td>
<td>20</td>
</tr>
<tr>
<td>Mastering activities (vary in points)</td>
<td>41.5%</td>
<td>415</td>
</tr>
<tr>
<td>5 Activities (30 points each)</td>
<td>15%</td>
<td>150</td>
</tr>
<tr>
<td>4 Discussion boards (15 points each)</td>
<td>6%</td>
<td>60</td>
</tr>
<tr>
<td>13 Lab exercises (vary in points)</td>
<td>25.5%</td>
<td>255</td>
</tr>
<tr>
<td>Research Project/Paper</td>
<td>10%</td>
<td>100</td>
</tr>
<tr>
<td>4 Extra credit quizzes &amp; Introduction Discussion (30 extra points possible)</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

Course Total Points = 1000

Grade Scale

<table>
<thead>
<tr>
<th>Total Points</th>
<th>Grade Score</th>
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<tbody>
<tr>
<td>900-1000</td>
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<tr>
<td>800-899</td>
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<td>50-59</td>
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<tr>
<td>0-499</td>
<td>0-49</td>
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*Note: You will no longer receive an actual letter grade, but you will receive a numeric grade per the updated grading system by DCCCD.
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Exams and Assignments

Syllabus Quiz
The syllabus quiz covers the information in the GEOL 1401 Earth Science syllabus. It is worth 20 points.

Reading Assignments
There are a total of 19 chapters, which vary in amount, as you may not need to read the entire chapter in each module. This is designed to provide the student with an understanding of the course information.

Mastering Assignments
There are Mastering Geology assignments that you will need to complete through the Mastering Geology website located in the link in our course in eCampus that will vary in points and type of assignment. They are designed for long-term retention of the concepts covered in the course with some activities and videos. *For each day you complete a Mastering assignment beyond the due date, there is a 10% late penalty for each assignment. Listed below are the required Mastering assignments:

- For each chapter you will need to complete a short chapter reading quiz (10 points each).
- There are also “Homework Assignments” that vary in points (between 10-20 points for each homework assignment) and “Dynamic Study Modules” that are worth 20 points each.

Activities
You will have the opportunity to complete 5 short hands-on activities that are designed to provide the student with a further understanding of a topic area. Activities are worth 30 points each.

Discussion Board
There are four (4) discussion questions posted within the course in eCampus. You will respond to the question posted, as well as respond to other student’s response. Each discussion question is worth 15 points.

Labs
There are 13 lab assignments to complete within eCampus. They are setup in a “quiz-like” format that follow the format of the lab manual (most questions are multiple choice). Each lab should take approximately 1-2 hours to complete, depending on the lab. Most labs are worth 20 points each.
Research Project/Paper
You will be working on a project for the semester in which the final product is a research paper/project worth 100 points. You will need to view and adhere to the directions and grading rubric for this assignment in order to successfully complete it.

If you plagiarize more than 60% of your paper, you will receive a failing grade for it (depending on the level of plagiarism). If you plagiarize more than 90% of your paper, you will receive a zero (0).

Accessing Your Grades
After the deadline for an assignment, I will have your grades posted usually within a week. (If you turn it in early, that is fine, just know that I may not have it posted until a week after the deadline for that particular assignment.)

Course Policies

Attendance Policy
This is a 100% online course. Therefore, you will not be required to attend at a set time and days. You are free to schedule your class time any way you wish, but you are responsible for keeping up with the lecture and lab activities. This is a serious college-level science course, so manage your time wisely. I have Thursdays at Midnight (11:59 PM) as the deadline for turning in assignments for those participating online. All due dates are final, so please do not put everything off to the last minute!

Note: In order to be certified in this class, you must submit at least 1 assignment (participate in the “Introduction” discussion board, syllabus quiz, lab, for example) by the Certification Date of the semester, which is Saturday, Sept. 5.

Late Work Policy
I have high expectations for all my students and expect everyone to respect the deadlines. Although this is an online course, there are deadlines to meet each week: every Thursday by Midnight (11:59 PM). Please complete Mastering Assignments ON-TIME!

If you think you will be unable to access eCampus on certain weeks, please work ahead. If missing assignments accumulate due to extenuating circumstances and you cannot work ahead, you will be advised to drop the course rather than taking a failing grade.

Extra Credit Policy
Some “extra credit” is available for this course. There are 4 short reading quizzes worth 5 points each totaling 20 points. There is no time-limit to take these. These are taken...
within eCampus in the course work lessons. There is also the “Introduction” discussion board worth 10 points.

**Student Responsibility**
This is college and you are responsible for your grade. You also bear the full responsibility for reading (and viewing videos of) all required course material located in eCampus. Your failure to read all required information can – and frequently does – result in disaster.

**Withdrawal Policy**
The last day to withdraw from a class without a grade is Thursday, November 12, 2020, by 5:00 PM in the Registrar’s Office (A130). Failure to withdraw from a course will result in a performance grade (F, in more instances than not.)

**Important Information Recap**
- All assignments are available the first day of class, and the student is highly encouraged to work ahead.
- All assignments are due Thursdays by Midnight (11:59 PM). Please complete Mastering Assignments by their due dates or be prepared to have a 10% late penalty for each day the Mastering assignment is late.
- If you need an extension for an assignment, you need to request it BEFORE the deadline. This does not apply to Mastering Assignments. There is a 10% late penalty each day a Mastering assignment is submitted beyond the due date.

**Internet Access**
- I recognize that Internet connection problems and/or computer trouble do occur from time to time, but these are not valid excuses for failing to complete the work on time. For those that live in the Dallas area, the campus computing center on the 4th floor is open during regular campus hours.

**Academic Ethics**
Any violation of the Student Code of Conduct (as printed in the El Centro College Catalogue and available at [http://www1.dcccd.edu/catalog/about/standard.cfm](http://www1.dcccd.edu/catalog/about/standard.cfm)) will be penalized accordingly. All violations will be forwarded to the proper college authorities for review. The college may, at its discretion, impose additional penalties on the student including academic probation, suspension, or expulsion.

All assignments must be the product of the student’s own personal effort. Same/similar wording on two or more student’s assignments (for questions that are short answer or essay style) can be considered as evidence of dishonesty and all labs/assignments involved can receive a score of zero. If you have more than a couple of questions with
the exact same wording as another student for essay-style questions, that is not acceptable. Graphs and tables for labs cannot be the same as another student.

If in grading labs I have reason to suspect cheating and/or collusion, proving innocence is the student’s responsibility, and all involved students – if collusion is proven – will receive a zero (0) on that assignment. I will report the violation immediately and encourage the appropriate authorities to pursue the offense with all due vigor. Be aware that in instances of academic dishonesty, I am relentless and unyielding. Do not give me reason to think you may have committed such an act.

Institutional Policies
Institutional Policies relating to this course can be accessed from the following link: www.elcentrocollege.edu/syllabipolicies

Disclaimer Reserving Right to Change Syllabus
The instructor reserves the right to amend this syllabus as necessary. Provisions contained in this Syllabus do not constitute a contract between the Student and El Centro College. These provisions may be changed at the discretion of the Discipline Coordinator/Instructor. When necessary, appropriate notice of such changes will be given to the Student. The Instructor-of-Record may provide additional information to enhance the course to meet the needs of the enrolled students provided that the enhancements do not conflict with the official course syllabus.