Instructor Information
Name: Dr. Pak Chagarlamudi
Email: Pakiraiah@dcccd.edu - *please include your first and last name and section # when emailing me.

Course Information
Course Title: Earth Science
Course & Section Number: GEOL 1401, Section 22401
Credit Hours: 4
Class Meeting Time/Location: Online

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

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 humans.

Coordinating Board Academic Approval Number: 40.0601.51 03

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 (TW) - 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 (SS) and its relationships with other objects in the SS.
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. I highly suggest that you print a copy of the syllabus as well as the course schedule and keep it with you.

Required Course Materials

3- Computer with access to Internet.
4- Geol 1401 Lab kit (available at Brookhaven bookstore).

Evaluation Procedures

Method of Evaluation:

<table>
<thead>
<tr>
<th>Description</th>
<th>Point Value</th>
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<tbody>
<tr>
<td>8 chapter quizzes @ 30 points each (24% of overall grade)</td>
<td>= 240</td>
</tr>
<tr>
<td>3 tests @ 100 points each (30% of overall grade)</td>
<td>= 300</td>
</tr>
<tr>
<td>Final (comprehensive) exam (@130 points, 13% of overall grade)</td>
<td>= 130</td>
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</table>
GEOL 1401 (SECTION 22401) SYLLABUS

3 discussion boards @ 20 pts each (6% of overall grade) = 60
9 lab exercises – EX # (1 ...24) - @ 30 pts each (27% of overall grade) = 270

Course Total Points = 1000

Grade Scale

<table>
<thead>
<tr>
<th>Percent</th>
<th>Total Points</th>
<th>Grade Scale</th>
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</thead>
<tbody>
<tr>
<td>90-100</td>
<td>900-1000</td>
<td>A</td>
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<tr>
<td>80-89</td>
<td>800-899</td>
<td>B</td>
</tr>
<tr>
<td>70-79</td>
<td>700-799</td>
<td>C</td>
</tr>
<tr>
<td>60-69</td>
<td>600-699</td>
<td>D</td>
</tr>
<tr>
<td>0-59</td>
<td>0-599</td>
<td>F</td>
</tr>
</tbody>
</table>

Assignments

Reading Assignments

Besides those chapters in the textbook and exercises in the lab manual as indicated in the syllabus, Power-Point slides are available for further understanding and to help hit the highlights for what will be covered on the tests. PowerPoint slides can be found within each module for each chapter. Reading the Chapter Summary at the end of each chapter is also helpful in preparation for the quizzes and tests/exams.

Quizzes, Tests and Final Exam

There are eight quizzes (worth 30 points each), three tests (worth 100 points each) besides the final comprehensive exam (worth 130 points). You will have 15 to 30 minutes to take the quizzes, 75 minutes to take the tests, and 150 minutes to take the final exam. Two attempts are allowed for the quizzes. Once you open the test/exam, be prepared to complete it. If you log off before completing the test, you will NOT be able to finish the test. No supplementary supplies are allowed, and all tests are considered closed-book!

Tests (not the final exam) are available from the first day of class, and you are welcome to work ahead. Scores from the tests will NOT recorded after the deadline has passed for each test.

You will need to take these assignments using Respondus software (further information about Respondus can be found in the course in eCampus under the “Start Here” link). In order to access the quiz/test/exam, be sure you have downloaded Respondus, and you will access them through the Respondus Lockdown Browser (it is identical to eCampus/Blackboard – you login the same way, but no password is needed to access the tests (after downloading the program, then open it up and login just as you would to eCampus)...the tests are located in the “Assessments” link.

Discussion Board

There are four (3) 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 20 points.
Labs

There are 9 lab assignments to complete within eCampus. They are setup in a “quiz-like” and are based on the lab manual, textbook and the power point presentations. You will have 90 minutes for each attempt (two attempts allowed) of the lab assignment. Each lab is worth 30 points.

Course Policies

Attendance Policy
This is a 100% online course. Therefore, you will not be required to attend a conventional classroom at a set time on set 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. All due dates (see the Calendar tab) are final.

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

Late Work Policy
I expect everyone to respect the deadlines. I would highly advise that you work ahead of the schedule I have listed (please see the Calendar tab for due dates).

I will only allow students to make up work (without penalty) in extreme circumstances (severe illness, death of a family member, etc.), but you must contact me BEFORE the deadline or it will be too late, no matter what the excuse is. If you think you will be unable to access eCampus on certain weeks, please work ahead, as it is unacceptable to ask for deadline extensions if you plan on travelling, or if anticipated work-related travel is required. There are no exceptions to this rule.

Late assignments will be penalized and graded with reduced score as follows: 0-24 hours – 67%; 24-48 hours: 34%; >48 hours – 0% of the score earned. There is no penalized grading for Test #3 or the final exam, that is, both will receive 0 for late submission.

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.

I want you to know that a 4-credit hour face-to-face course with lab demands 6 hours of effort in addition to 6 contact hours per week, over a 16-week term. That is, for an average student, a total of about 190 hours for the course. This time allocation is serious and challenging for many, and certainly in any fast-tracked schedule.
Withdrawal Policy
The last day to withdraw from a class without a grade is January 6, 2020, by 5:00 PM in the Registrar’s Office. Failure to withdraw from a course will result in a performance grade (F, in more instances than not.)

Important Information Recap
- All assignments (except the final comprehensive exam) are available the first day of class, and the student is highly encouraged to work ahead.
- All assignments due dates are available in the course schedule and in the Calendar tab.
- If you need an extension for an assignment, you need to request it BEFORE the deadline.
- All tests are timed. If you believe you do not need to study and will have time to look up all the answers as you are taking them, you will have a difficult time passing them and this course.

Internet Access
- I recognize that Internet connection problems and/or computer trouble do occur from time to time. For those that live in the Dallas area, the computer lab the campus computing center (J Building) is open during regular campus hours. These computers also have Respondus Lockdown Browser downloaded onto them, so you may take module tests on these computers. When you need to contact the Helpdesk or me with any technical issue, please take a screen shot that shows the date and time and include it in your email.
- When taking tests, I realize there may be a time that I will have to reset your test (do not contact the DCCCD Technical Support – I have to reset your test), because your computer shuts down or internet connection freezes (please take a screen shot that shows the date and time and include it in your email). Please be aware of my testing policy: I will gladly reset your test one time, if necessary, but after that, your score will be reduced by 50% if you ask me to reset it. This is one test reset (not quizzes and the final exam) for the entire semester, not per test.
- Do not wait until the last few hours of the last day to take a test. You need to give yourself plenty of time just in-case you need to email me due to a problem. Please understand if you need a test reset during the last few hours before the due date of a test, you may not receive it.

Academic Ethics
Student Code of Conduct is available at:
(https://www1.dcccd.edu/catalog/GeneralInfo/CollegePolicies/code.cfm?loc=econ)
Any violation of the Student Code of Conduct 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.

Institutional Policies
Institutional Policies are available at:
All students are responsible for knowing and adhering to the following institutional and course-related policies:

Course-related Institutional Policies
Disclaimer Reserving Right to Change Syllabus

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