Instructor: Dora Devery  
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Phone: (281) 756-5670  
Office: S218  
Office Hours: will be announced in January

COURSE DESCRIPTION:
Environmental Geology is a second-semester course in geology. This is a hybrid course in that the lecture is internet-based but there is an on-campus lab component to the course. This lab course does meet the requirements for ACC’s core curriculum.

This is not a self-paced course; there are tests and assignments that must be taken by specified dates.

This course is useful for students who plan on working in business, real estate, environmental science, geology, law or journalism. Current environmental issues are covered in this course.

WebCT, which is used as the course management system, will provide an interactive environment facilitating: (1) communications, (2) student-instructor interaction, (3) dissemination of course content materials (for example, chapter study guides), and (4) the recording and communicating of tests, projects and other grades.

Credit: 4 credit hours  
Prerequisite: GEOL 1403

OBJECTIVES:
- Provide students with a basic understanding of the Earth’s composition, structure, and the processes that result in a changing planet.
- Develop an awareness of how certain areas are unsuitable for land development.
- Learn about natural hazards such as earthquakes, volcanoes, flooding, slope failure, and coastal processes.
- Recognize the importance of mineral resources, energy resources and waste management.

REQUIRED BOOKs:
EVALUATION:

Lecture – Three lecture tests will be given. A missed test results in a zero for that test. Lecture Test 1 and 2 are taken on line. The Final Exam must be taken on campus. There are four projects that will be posted on WebCT with instructions and deadlines. A missed deadline results in a zero for that project. Also there will be 1 Assignment and 9 discussions via WebCT. A missed deadline for the discussions results in a zero for that discussion. You will be given ample notice and time to prepare for tests, discussions, current events and projects – there will be no makeups. If an extremely important scheduling conflict arises, discuss this with your Instructor at the earliest possible date to see if the deadline can be rescheduled. Rescheduling requires that you give your Instructor a few days notice to try to work with you.

Lab – You are required to come on campus each week for the lab. There are two lab practicals that will be given during the semester. A missed practical results in a zero.

For Discussions use WebCT (click on the Discussions icon on WebCT homepage to read the topic and to respond to everyone).

For sending mail to me use the following instructions:

A. Click on the Mail Box icon on the WebCT homepage
   - Click on the Compose message Box
   - To the right of the “Send To” space click on Browse and select Dora Devery by clicking on it (if you need to send mail to everyone in the class then click on first name on the list and shift-left-clicking on all subsequent names until all are highlighted).
   - Type away and then click on the send button
   OR

B. If you are not getting a response from me via WebCT email, then send an email to my regular college address: ddevery@alvincollege.edu (this is a faster system for some reason)

GRADING SYSTEM:

<table>
<thead>
<tr>
<th>Component</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lecture Tests (100 points each)</td>
<td>300 pts.</td>
</tr>
<tr>
<td>Projects (25 points each)</td>
<td>100</td>
</tr>
<tr>
<td>Assignment and Discussions (10 points each)</td>
<td>100</td>
</tr>
<tr>
<td>Lab Practicals</td>
<td>200</td>
</tr>
<tr>
<td><strong>Total Points</strong></td>
<td><strong>700</strong></td>
</tr>
</tbody>
</table>

GRADES: 700 – 630 pts. = A; 629 – 560 = B; 559 – 490 = C; 489 – 420 = D; 419 – 0 = F

WITHDRAWAL FROM CLASS:
The last day to withdraw from the class is April 18, 2008 – 7pm. The student is responsible for withdrawing from the class.

Extra Credit: Up to 20 points of extra credit can be earned. More information will be provided in class.
Schedule Spring 2008  
(Reading Assignments and Test dates)

| Week of … | Jan. 14 | Chapter 01 | An Overview of Our Planetary environment p. 3 |
| Jan. 21 | Chapter 02 | Rocks and Minerals – A First Look p. 22 |
| Jan. 28 | Chapter 03 | Plate Tectonics p. 43 |
| Feb. 05 | Chapter 12 | Soil as a Resource p. 270 |
| Feb. 11 | Chapter 03 | Volcanoes p. 95 |
| Feb. 18 | Chapter 06 | Streams and Flooding p. 148 |
| Feb. 25 | Chapter 07 | Coastal Zones and Processes p. 152 |
| Feb. 25 | Chapter 08 | Mass Movements p. 176 |
| March 03 | Chapter 10 | Climate – Past, Present, and Future p. 220 |
| March 10 | Chapter 18 | Air Pollution p. 437 |
| March 17-22 | Spring Break |
| March 24 | Chapter 13 | Mineral and Rock Resources p. 292 |
| March 31 | Chapter 14 | Fossil Fuels p. 318 |
| April 07 | Chapter 15 | Energy Resources – Alternative Sources p. 344 |

**Lecture Test #1 – Week of February 11**  
The week before the test there will be a practice test posted on WebCT for you to go through the motions of online testing.  
**You must take the test some time between 8am, Monday Feb. 11 and 9pm Friday, Feb. 15.**  
You will need to contact me at least 24 hours before taking the test, you will need a password from me to access the test.  
The test is timed, you will need to be prepared when taking the test.

*The test covers Chapters 1, 2, 3, 4, 5 and 12. The test will be multiple choice, true and false, and short answer format. Questions for the test will come from the study guide. See “How to Prepare for test” and “Study Guides”.*

| March 10 | Chapter 11 | Water as a Resource p. 241 |

**Lecture Test #2 Testing procedures are the same as for Test #1.**  
Test must be taken at some time between 8am, Mon., March 10 to 9pm, Fri. March 14. You must contact your instructor at least 24 hours before taking the test to get the password to access the test. Test must be taken this week.

*Covers Chapters 6, 7, 8, 10, 11, and 18*
April 14  Chapter 17  Water Pollution  p. 406
April 21  Chapter 19  Environmental Law and Policy p. 464
April 28  Chapter 20  Land-use Planning and Engineering Geology p. 489

Final Exam – Thursday, May 8, 2008 in Room S-211.

Covers Chapters 13, 14, 15, 16, 17, 19, 20

Lab Schedule will be provided on the first night of Lab – Thursday, January 17, 2008.

(This college will adhere to all applicable federal, state, and local laws, regulations, and guidelines with respect to providing reasonable accommodations as required to afford equal educational opportunity. It is the policy of ACC to provide reasonable accommodations for qualified individuals who are students with disabilities. It is the student’s responsibility to contact the Counseling Center in a timely manner to arrange for appropriate accommodations.)