ENVIRONMENTAL GEOLOGY - RESOURCES
GEOL 105
SPRING 2010

Instructor: Ms.
Office: Lester Hall, Room 124
phone: 
c-mail: phil@olemiss.edu
Class Time: T, Th 9:30 - 10:45 p.m.
Class Room: Anderson 21 (Auditorium)
Text: Environmental Geology, Eighth Edition, Carla W. Montgomery,
office hours: M, T, W 2:00 - 4:00, F 9:00 - 11:30 or schedule an appointment
Course Information: Blackboard enabled

Course Description

Environmental Geology is geology applied to living and the availability of resources. We will investigate:

1) Climate: Influences on and the effects of climate, evidence for climate change, and the possible consequences of these changes.

2) Resources: Water, soil, mineral, and energy resources, the rate at which they are consumed, probable amounts remaining, and projections of future availability and use

3) Waste Disposal: Increasing population and increasing resource consumption lead to an increasing volume of waste to be disposed of. How and where this waste is disposed can have negative impacts on scarce resources.

4) Environmental Law: environmental problems spawn laws which are intended to solve them. These laws can often create unforeseen problems and consequences.

Learning Outcomes
Most of the semester will be spent on categories two and three. After completing this course, a student should be able to determine

- How to discuss and evaluate specific environmental issues
- The relationships that exist between natural resource consumption and pollution
- The basic concepts of environmental management as they relate to the geologic environment in areas such as waste management, environmental health, global change, and environmental assessment.
- How human activity can be adjusted in the face of geologic constraints
- How a fundamental knowledge of geology serves as a foundation for investigating specific environmental issues
- Appropriate environmental actions relevant to society and the Earth’s ecosystems from a local to a global scale

2/23/2010
Grading

- Exam 1: 20%
- Exam 2: 20%
- Exam 3: 20%
- Exam 4: 20%
- Geography exam: 10%
- Quizzes: 10%
- Total: 100%

Labs

The accompanying laboratory course is GEOL 115. This 1 credit hour laboratory course is not required unless you need a lab science to fulfill the general education requirements set forth by the university. All lab sections will meet in Kinard, Room 202E. Your lab instructor will hand out a separate laboratory syllabus.

Labs will NOT meet the first week of class. There will be no labs during the week of March 15 - 19.

Exams

- You will need to bring three items to each exam:
  - Scantron (purple form, #16485)
  - Pencil
  - Student I.D.
- Exams will include material from lecture, discussion, video and your textbook.

Geography Exam

Knowledge of environmental geology requires some knowledge of world geography and population distributions. A list of geographical names will be provided at the beginning of the semester. Students will be expected to locate each listed item on a world map.

Missed Exam Policy

- The four exams and the final exam will be multiple choice and/or true/false.
- Missed exams due to illness, funerals or emergency out-of-town trips will be excused only if the instructor is informed before the exam, and must be documented (e.g. doctor’s note, obituary). Acceptable notification includes phone calls, email, or voicemail.
- Except in extenuating circumstances, make-up exams will be given only if you notify the instructor of your intended absence before the examination time. Acceptable notification includes phone calls, email, or voicemail. Make-up exams will be essay exams. If you miss a scheduled make-up exam, you will receive a zero. If you are 10 minutes late to a scheduled exam, you will not be able to take that exam and you will receive a zero.

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• Makeup exams will be short essay questions. If you miss a scheduled make-up exam, you will receive a zero. If you are ten minutes late for a scheduled exam, you will not be able to take that exam and you will receive a zero.

Quizzes
There will be a quiz at the beginning of class on the reading assignment given at the end of the previous lecture. This quiz will cover the lecture material for that day’s lecture.

There will also be frequent, unannounced quizzes during lectures. There will be NO makeup quizzes. The quiz will typically consist of a single question that can be answered from your lecture notes or textbook. All in-class quizzes will be open note and open book. The three lowest scores will be dropped at the end of the semester to allow for unavoidable absences.

Other
Disruption of class will not be tolerated (e.g., talking to your neighbor). Cell phones must be turned off prior to class. If you are disruptive during class, you will be asked to leave. You will not be allowed to return to class until you have met with me in my office.

IMPORTANT DATES

<table>
<thead>
<tr>
<th>DATE</th>
<th>DAY</th>
<th>EVENT</th>
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<tbody>
<tr>
<td>Jan 21</td>
<td>Thurs</td>
<td>First day of class</td>
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<tr>
<td>Feb 2</td>
<td>Tues</td>
<td>Geography exam</td>
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<tr>
<td>Feb 18</td>
<td>Thurs</td>
<td>EXAM 1</td>
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<tr>
<td>Mar 5</td>
<td>Fri</td>
<td>Mid-Term Grades Due</td>
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<tr>
<td>Mar 11</td>
<td>Thurs</td>
<td>EXAM 2.</td>
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<td>Mar 15 - 19</td>
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<td>Spring Break</td>
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<tr>
<td>April 2</td>
<td>Friday</td>
<td>Good Friday Holiday</td>
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<td>April 8</td>
<td>Thurs</td>
<td>EXAM 3</td>
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<td>April 29</td>
<td>Thurs</td>
<td>EXAM 4</td>
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<tr>
<td>April 30</td>
<td>Fri</td>
<td>Last day of classes</td>
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<td>May 6</td>
<td>Thurs</td>
<td>FINAL EXAM, 8:00 a.m.</td>
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