

## GLY 210L-201 EARTH MATERIALS LAB FALL 2008—SYLLABUS & SCHEDULE

**Lab Manual:** Earth Materials Lab, Bonnett and Sanderson

### **Instructors**

Dr. Bill Niemann (S171, 696-6721, [niemann@marshall.edu](mailto:niemann@marshall.edu))

Office Hours:

MWF: 10:00am-11:00am,

T: 2:00pm-3:00pm,

W: 4:00pm-5:00pm,

Other times: by chance or appointment

### **Course Description**

1 credit hour, Co-requisite course: GLY 110 or 200. An introduction to laboratory and materials as applied to the identification, classification, recovery and uses of earth resources.

### **Course Objectives:**

By the end of the semester, each student should be able to:

1. read and correctly interpret topographic maps, properly locating important features, use coordinate systems and map scales, determine slopes and construct cross-sectional profiles.
2. identify many important minerals in hand specimen, particularly the common rock forming minerals
3. identify and properly classify key rocks based on an examination of hand specimens
4. identify some key fossils and determine their importance in understanding the geologic history of an area.

### **Lab Attendance/ Participation/ Continuous assessment**

Attendance will be monitored through assessment of weekly exercises. Only legitimate excuses will be considered for missing a lab. These include **verifiable** medical, legal, or military reasons, death in the immediate family, or participation in institutional activities (debating, musical performances, athletic events) which are excused by the academic deans. Arriving late or cutting portions of the lab will adversely affect performance and therefore your grade for lab.

It is strongly recommend that you do the reading before coming to lab, even though we will give a brief explanation of the topic at the beginning of each lab session.

## **Grading**

Quizzes: 75% (Maps, Minerals, Rocks = 20% each, Fossils=15%)

Continuous assessment (weekly lab exercises): 25%

Final letter grades will be assigned as follows based on final average: A (90-100), B (80-89), C (70-79), D (60-69), F (<60). These grade boundaries may be adjusted downward depending on the grade distribution in the class. Any adjustments will have the effect of helping and not hurting students' grades.

A grade of zero will be assigned for a missed quiz unless you have a University sanctioned excuse. The continuous assessment part of your grade will be based on attendance and quality and completeness of your weekly lab assignments.

**Academic Integrity:** Academic dishonesty as defined in the current undergraduate catalogue will not be tolerated. Violations of the honor code may result in the assignment of an "F grade" for the class, and further disciplinary action as defined in the catalogue.

**Final Thoughts:** Please keep in mind that I am committed to making this course a positive experience for everyone, so don't hesitate to ask questions, or approach me with problems that you are facing in this class. Feel free to stop by my office to discuss your progress in class or go over one of your quizzes.

### **Students with special needs:**

*Students with a particular learning disability should contact the Disabled Student Services Office (113 Prichard Hall) or the H.E.L.P. office (Myers Hall), both on campus. Every effort will be made by this instructor to accommodate their needs.*

**GLY 210L-201 EARTH MATERIALS LAB  
FALL 2008--SCHEDULE**

<b>Day / Date</b>	<b>Topic</b>	<b>Activity</b>
M Aug 25	Intro / Maps	Exercise
<b>M Sep 1</b>	<b>Labor Day</b>	<b>No class</b>
M Sep 8	Maps	Exercise
M Sep 15	Maps	Exercise
<b>M Sep 22</b>	<b>Maps</b>	<b>Quiz</b>
M Sep 29	Minerals	Exercise
M Oct 6	Minerals	Exercise
M Oct 13	Minerals	Exercise
<b>M Oct 20</b>	<b>Minerals</b>	<b>Quiz</b>
M Oct 27	Rocks	Exercise
M Nov 3	Rocks	Exercise
M Nov 10	Rocks	Exercise
M Nov 17	<b>Rocks</b>	<b>Quiz</b>
<b>M Nov 24</b>	<b>Thanksgiving break</b>	<b>No class</b>
M Dec 1	Fossils	Exercise
<b>M Dec 8</b>	<b>Fossils</b>	<b>Quiz</b>