

Marshall University
GLY 210L-104: Earth Materials Laboratory – Fall 2017
Syllabus

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| Course Title/Number | GLY 210L-104 |
| Semester/Year | Fall 2017 |
| Days/Time | R, 3:00pm-4:50pm |
| Location | COS 167 |
| Instructor | Bill Niemann |
| Office | S171 |
| Phone | 304-696-6721 |
| E-Mail | niemann@marshall.edu |
| Web | Blackboard though My MUOnline |
| Office Hours | <p style="text-align: center;">MWF: 9:30-9:50am MWF: 11:00-11:30am M: 2:00-3:00pm (before class) R: 2:00-3:00pm TR: 11:00am-12:00pm Or by appointment</p> |
| University Policies | <p>By enrolling in this course, you agree to the University Policies listed below. Please read the full text of each policy by going to www.marshall.edu/academic-affairs and clicking on “Marshall University Policies.” Or, you can access the policies directly by going to www.marshall.edu/academic-affairs/policies/. Academic Dishonesty/Excused Absence Policy for Undergraduates/Computing Services Acceptable Use/Inclement Weather/Dead Week/Students with Disabilities/Academic Forgiveness/Academic Probation and Suspension/Academic Rights and Responsibilities of Students/Affirmative Action/Sexual Harassment</p> |

Course Description

An introductory course in the identification, classification and interpretation of earth materials and the use topographic maps. Intended for geology majors and non-science majors seeking to partially fulfill a Core II Science requirement.

The table below shows the following relationships: How each student learning outcome will be practiced and assessed in the course.

| Course student learning outcomes | How students will practice each outcome in this course | How student achievement of each outcome will be assessed in this course |
|--|--|---|
| Students will acquire hands-on experience with description and identification of minerals, rocks, and fossils, and measurement of mineral and rock properties | Weekly exercises | Weekly exercises and pre-class assignments; monthly quizzes |
| Students will develop the ability to read topographic maps, recognize landforms, use coordinate systems and map scales, determine slope and other landform properties, and construct basic cross-sections. | Weekly exercises | Weekly exercises and pre-class assignments; monthly quizzes |

Required Texts, Additional Reading, and Other Materials

Earth Materials: A Laboratory Manual for Physical Geology and General Geology, 8th ed.,
by Bonnet et al. (2015); \$28 at MU bookstore

Course Requirements/Due Dates

Mandatory quizzes over the four major course topics are scheduled for the four dates indicated on the official course schedule.

Make-ups for Quizzes 1, 2, and 3 will be given at 2:30 pm on Friday, 8 December.
There will be no makeup quizzes without an official excused absence from the Office of Student Affairs.

Grading Policies

Grade Components

Quizzes (4) = 70%, Weekly exercises = 25%*, Pre-lab Questions (Blackboard) = 5%

Quiz 1 (minerals) = 20%

Quiz 2 (rocks) = 20%

Quiz 3 (fossils) = 10%

Quiz 4 (maps/earthquakes) = 20%

*Full credit for each weekly exercise will generally be awarded to who attend the full duration of that week's lab session and complete that week's assignment (see attendance policy below).

Grading Scale

Only numerical and not letter grades will be reported for individual quizzes.

Final course letter grades will be assigned using a standard grading scale:

A ≥ 90%, B = 80-89%, C = 70-79%, D = 60-69%, F ≤ 60%

One or more of these thresholds may be adjusted downward slightly --never upward--for all students depending on overall class performance (e.g., A ≥ 89%).

Attendance Policy

A daily record of attendance will be kept by circulating a sign-in list at the beginning of each class. ***It is the responsibility of each student to sign the list, and if late to sign the list or notify the instructor at the end of the lecture.*** Failure to do so may result in an official absence for that lecture. Arriving late or leaving lecture early may reduce or void credit for attendance for that day.

The only absences considered excused for this class or those approved by the Instructor. These include “University Excused Absences” such as serious medical or legal reasons, military obligation, or university activities excused by the academic deans. See Marshall’s policy on “Excused Absences” at www.marshall.edu/academic-affairs/policies/. **Note that a student who is briefly ill or injured for three or less consecutive hours of class is not excused from attending this class.** Requests for excused absences can be submitted remotely using the form available at <http://www.marshall.edu/student-affairs/excused-absence-form/>

In the case of an excused absence, any material missed can be completed, without penalty, by a later date assigned by the instructor. Failure by the student to complete the material by the assigned date will result in a zero for the assignment in question. The instructor may instead opt to assign a “no-grade,” without penalty to the student, for missed material as a result of the absence. There will be no makeup quizzes without an official excused absence from the Dean of Students.

Note that extreme weather could result in closure of the university and cancellation of class. (If the weather looks bad, check your e-mail and listen for announcements on local radio and TV. See Marshall’s policy on “Inclement Weather” at www.marshall.edu/academic-affairs/policies/.)

Electronic Devices

As a common courtesy to your instructor and fellow students, do not allow your phones and other electronic devices to be disruptive during class time. Use of any electronic device other than a calculator during a quiz or exam will be considered evidence of cheating.

GLY 201L - 104 -- Lab Schedule -- Fall 2017 -- Dr. Niemann

| Week | Date (all Thursdays) | Topic | Reading |
|-------------|-----------------------------|--|-----------------------|
| 1 | Aug. 24 | Minerals | Chapter 2 |
| 2 | Aug. 31 | Minerals | Chapter 2 |
| 3 | Sept. 7 | Minerals / Rock Density | Chapter 2 |
| 4 | Sept. 14 | Mineral Review | |
| 5 | Sept. 21 | Dr. Niemann gone -- No Class | Chapter 2 |
| 6 | Sept. 28 | Quiz #1 - Mineral ID | |
| 7 | Oct. 5 | Igneous Rocks | Chapter 3 |
| 8 | Oct. 12 | Igneous / Sedimentary Rocks | Chapter 3 / 4 |
| 9 | Oct. 19 | Sedimentary / Metamorphic Rocks | Chapter 4 /5 |
| 10 | Oct. 26 | Rock Review / Fossils | Chapter 6 |
| 11 | Nov. 2 | Quiz #2 - Rock ID | |
| 12 | Nov. 9 | Fossils / Earthquake Simulations | Chapter 6 |
| 13 | Nov. 16 | Quiz #3 = Fossil ID Earthquake Simulations | |
| X | Nov. 23 | Topographic Maps | Chapter 1, Exercise 1 |
| 14 | Dec. 4 | Topographic Maps | Chapter 1, Exercise 3 |
| 15 | | Topographic Maps / Review | Chapter 1 |
| FINALS WEEK | Dec. 11 | Quiz #4 -- Maps / Earthquakes | |