

Meetings: TR, 9:30-10:45am (lecture/discussion), Science (S) 165
R, 2:00-3:50pm (lab), S165/S166/S170

Text: *Environmental Geology*, 9th edition (2011), by Edward Keller, published by Prentice Hall.

Instructor: Bill Niemann, Ph.D., P.G., E.I.T.

Office: 171 Science Building

Office Hours for Students:

- M/W/F: 11:00-11:30am
- M/T: 2:00-4:00pm
- R: 11:00-am-12:00pm
- By appointment
- Not a good time: before class

Phone: 696-6721 (W)

E-mail: niemann@marshall.edu

Web: <http://www.science.marshall.edu/niemann/>

Class webpage: <http://www.science.marshall.edu/niemann/EGClassfiles.html>

Course Description

Environmental geology involves the application of geologic principles and information to the prevention, prediction and mitigation of environmental problems. This course, a 4-hour elective class with laboratory, is intended primarily for geology majors. Major topics are natural geohazards and environmental impacts to soil, air and water induced by man's activities.

Foundational knowledge

Upon entering this course students are expected to have completed--at a minimum--GLY 110 or 200 and GLY 210L including competency in identifying earth materials. In addition, prior completion of GLY 451 is recommended.

Assessment of Learning

➤ **Grading scale**

A = 90-100% of total points
B = 80-89% " " "
C = 70-79% " " "
D = 60-69% " " "
F < 60% " " "

➤ **Grade components**

Lab exercises (50%)
Quizzes (30%)
Homework (15%)
Attendance/Participation (5%)

Assessment of Learning (cont.)

- **Grading of Labs and Homework.** Selected labs and homework may be scored by use of a $\sqrt{+}$, $\sqrt{}$, or $\sqrt{-}$, indicating above satisfactory (105%), satisfactory (90%) and less than satisfactory (75%), respectively. Significantly incomplete or sloppy work will receive a grade of $\sqrt{-}$ (50%). A detailed matrix describing this grading method is shown below.

Grade →	$\sqrt{-}$ - (50%)	$\sqrt{-}$ (75%)	$\sqrt{}$ (90%)	$\sqrt{+}$ (105%)
Criterion ↓				
Timeliness	Submitted significantly after due date/time	Submitted after due date/time	Submitted by due date/time	Submitted by due date/time
Completeness	Repeated missing answers/elements	Missing answers/elements	Complete answers/elements	Work product beyond assignment
Neatness	Illegible and/or sloppy	Difficult to read	Easy to Read	Easy to Read
Care	Obvious lack of care	Lack of care	Obvious care	Extraordinary care
Achievement	Multiple missing / incorrect answers	Incorrect answers	Reasonable answers	Correct and thorough answers
Evidence of Learning	No evidence	Lack of evidence	All objectives met	Exceeds objectives

- **Late work.** Lab exercises and reading assignments are due at the beginning of the class or lab period on the due date unless otherwise stated by the instructor. For assignments receiving a numerical grade, late submittals will be penalized an automatic 10%, and an additional 10% per subsequent calendar day (weekdays), with a maximum late penalty of 50%. For assignments scored by use of a $\sqrt{+}$, $\sqrt{}$, or $\sqrt{-}$, late submittals will be automatically downgraded to a $\sqrt{-}$ or a $\sqrt{-}$ for assignments late more than one calendar day. Failure to submit an assignment within 7 days of the original due date means a grade of zero for that assignment. If submittal of assigned work is delayed for reasons relating to an excused absence, the adjusted due date then becomes the beginning of the next class or lab period.
- **Credit for in-class quizzes** will not be given for unexcused absences. In the case of an excused absence, a “no grade” (i.e., no credit or penalty) will be assigned or the quiz may be made up by a date mutually agreed upon by the student and instructor.

University-wide policies

- University policies regarding excused absences, inclement weather, academic dishonesty, etc. also apply to this class and can be viewed at http://www.marshall.edu/academic-affairs/?page_id=802.