

General Geology - Spring 2016
GLY 110-201 CRN: 3431

Monday/Wednesday/Friday 11-11:50am - Science 276
 3 credit hours; co-requisite (depending on major): Earth Materials Lab (GLY 210L)

Professor: Dr. Mitchell Scharman
 Email: scharman@marshall.edu

Office: Science 163
 Phone: (304) 696-5434

Office Hours: MW noon-1pm; T-Th 9-10:30am; F 9-10am
Professor not available in the hour before scheduled classes

Required Textbook: *Essentials of Geology*, by Lutgens et al. (12th ed.)

Course Description: Introductory level geology course which surveys elements of earth materials, processes, structures, and history. This course is intended to introduce non-science majors to the geologic processes and their importance to human livelihood. The goals of this course are for each student to:

- Understand the processes of rock formation and the variation of rock types
- Understand the structure of the Earth and basics of the plate tectonic system
- Understand basic surficial and groundwater processes
- Understand basic geologic hazards, how they occur, and how these affect modern society
- Understand the development of geologic resources and modern society's reliance to maintain current standards of living

Objectives:	Assessment
Understand Rock Formation Processes and the variation in rock types	<ul style="list-style-type: none"> • In-class assignments • Quiz 2 and 3 • Exam I and 2
Understand the structure of the Earth and features and processes of the plate tectonic system	<ul style="list-style-type: none"> • In-class assignments • Quiz 2 • Exam 1, 2
Understand basic surficial and groundwater processes	<ul style="list-style-type: none"> • In-class assignments • Quiz 4 • Exam 3
Understand basic geologic hazards, how they occur, and how these affect modern society	<ul style="list-style-type: none"> • In-class assignments • Quiz 4 • Exam 1, 2, 3
Understand the development of geologic resources and modern society's reliance to maintain current standards of living	<ul style="list-style-type: none"> • In-class assignments • Quiz 2, 3 • Exam 1, 2, 3

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Course Assessment:

Exams: 45%

In-class Assignments: 25%

Participation: 15%

Quizzes: 15%

Total: 100%

Grading Scale:

A - 90-100%; B - 80-89%;

C - 70-79%; D - 60-69%;

F - 0-59%

No curve will be applied to any portion of your grade for the course. You are expected to keep track of your own grade as the course progresses with the above grading scheme. You should possess the basic algebraic knowledge to calculate a current grade as assignments, quizzes, and exams are returned. Additionally, you can ask me about your grade at any point in the semester.

Lectures

This course will utilize a flipped classroom model. Recordings of lectures will be posted through the Blackboard course page prior to each topic covered in class. These class periods will occasionally be used for extra lectures to expand upon or review materials related to the overall topic of the week. You are expected to watch the posted lecture recordings prior to the start of a new topic in class. These recordings will also be available to you throughout the semester to review. I strongly recommend that you take notes while watching lectures, like you would in a normal classroom setting. Please see the course schedule for the order of topics, and assigned chapters.

In-Class Assignments and Participation

Having the lecture recordings available online does not excuse you from attending class. The regular MWF class periods will largely be devoted to in-class assignments pertaining to each lecture topic. These assignments will give you practice in applying what you have learned from the lecture recordings, as well as some practice for quizzes and exams. Attendance is not recorded, but participation in the in-class assignment will also be recorded.

Quizzes and Exams

Quizzes are scheduled throughout the semester; see the course schedule for exact dates. These quizzes should help you prepare for the exams throughout the course.

There are two mid-semester exams and a cumulative final exam in the course. The dates and times for each exam are listed in the course schedule. The final exam date and time is set by the registrar's office prior to the start of the semester. **No quiz/exam will be given early for any reason.** A make-up quiz/exam will only be given with notice from the Dean of Students.

Attendance and Make-up Work Policy:

There is no lecture attendance policy, however, if you are regularly absent from lecture, this will lower your in-class participation grade. Make-up quizzes, assignments, and exams will only be given for university excused absences with proper documentation, which include: serious medical reasons, legal reasons, military obligations, or university activities excused by the academic deans.

If you miss less than 3 consecutive hours of the course, you must speak with me about any make-up work. Note, in this case, it is up to your professor to determine if your absence is considered an official university excused absence. I must receive proper notification of any absence that is included as a university excused absence.

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If you miss 3 consecutive hours or more of class, you must speak with the Dean of Student Affairs Office. **Notice of an excused absence must be received by the instructor through the Dean of Student Affairs office prior to completing the make up work** (see the MU Undergraduate Catalog for more information). There will be no make-up assignments/quizzes/exams without my approval or an official excused absence from the Dean of Students.

In the case of an excused absence, the assignment/quiz/exam must be completed by a later date assigned by the instructor. Failure by the student to complete the quiz/exam by this new deadline will result in a grade of zero for the assignment/quiz/exam. I also reserve the right to provide an alternate make-up quiz or exam.

Personal Conduct

Everyone in the course is expected to act in a professional and courteous manner. Any disruptive or offensive behavior - especially that directed at anyone else in the class - will not be tolerated. Any violation will be met with a requirement to drop the course and forfeit any associated grades.

All cell phones must be turned off, put away, and remain away, for the duration of each class period. It is extremely unprofessional, as well as a waste of the professor's and fellow student's time, if you are looking at a cell phone while a conversation/lecture/assignment is in progress. Having a cell phone out during a quiz/exam is considered cheating and will be handled accordingly.

Finally, I will only respond to emails that are written with at least a basic level of professionalism and courtesy. Email responses will be sent as soon as possible, usually within a 24 hour period. If it is something urgent, please visit me during office hours or make an appointment ASAP.

By your continued enrollment in this course, you agree with the policies in this syllabus and to the University Policies listed below:

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

The full text of each policy is available at: <http://muwww-new.marshall.edu/academic-affairs/policies/>

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Updated Course Schedule (Jan. 25, 2016)

Day	Topic	Reading
M Jan. 11	Introduction	Chapter 1
W Jan. 13	Introduction	Chapter 1
F Jan. 15	Introduction	Chapter 1
M Jan. 18	MLK Jr. Holiday - No Class	
W Jan. 20	Plate Tectonics; Quiz 1 (Syllabus)	Chapter 2
F Jan. 22	Snow Day - University Closed	
M Jan. 25	Plate Tectonics	Chapter 2
W Jan. 27	Plate Tectonics	Chapter 2
F Jan. 29	Minerals	Chapter 3
M Feb. 1	Minerals; Quiz 2 (Chapters 1, 2, 3)	Chapter 3
W Feb. 3	Igneous Rocks	Chapter 4
F Feb. 5	Igneous Rocks	Chapter 4
M Feb. 8	Igneous Rocks; Volcanoes	Chapter 4, 5
W Feb. 10	Volcanoes	Chapter 5
F Feb. 12	Volcanoes	Chapter 5
M Feb. 15	Exam 1 Review; (Chapters 1-5)	
W Feb. 17	Exam 1 (Chapters 1-5)	
F Feb. 19	Weathering; Sedimentary Rocks	Chapter 6, 7
M Feb. 22	Weathering; Sedimentary Rocks	Chapter 6, 7
W Feb. 24	Weathering; Sedimentary Rocks	Chapter 6, 7
F Feb. 26	Weathering; Sedimentary Rocks	Chapter 6, 7
M Feb. 29	Metamorphic Rocks	Chapter 8
W Mar. 2	Metamorphic Rocks	Chapter 8
F Mar. 4	Metamorphic Rocks; Quiz 3 (Chapters 6, 7)	Chapter 8
M Mar. 7	Deformation; Mountain Building	Chapter 11
W Mar. 9	Deformation; Mountain Building	Chapter 11
F Mar. 11	Deformation; Mountain Building	Chapter 11
M Mar. 14	Deformation; Mountain Building	Chapter 11
W Mar. 16	Exam 2 Review; (Chapters 6-9, 11)	
F Mar. 18	Exam 2 (Chapters 6-9, 11)	
Mar. 21/23/25	Spring Break - No Class	
M Mar. 28	Earthquakes	Chapter 9
W Mar. 30	Earthquakes	Chapter 9
F Apr. 1	No Class - SE GSA Meeting - Earthquakes Blackboard Assignment	Chapter 9
M Apr. 4	Earthquakes	Chapter 9

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W Apr. 6	Mass Wasting	Chapter 12
F Apr. 8	Mass Wasting	Chapter 12
M Apr. 11	Mass Wasting	Chapter 12
W Apr. 13	Fluvial Processes	Chapter 13
F Apr. 15	Fluvial Processes	Chapter 13
M Apr. 18	Fluvial Processes; Quiz 4 (Chapters 9, 12)	Chapter 13
W Apr. 20	Groundwater	Chapter 14
F Apr. 22	Groundwater	Chapter 14
M Apr. 25	Groundwater	Chapters 14
W Apr. 27	Final Exam Review (Chapters 12, 13, 14)	
Apr. 29	Final Exam Review (Chapters 12, 13, 14)	
Tuesday May 3 Final Exam: 10:15am-12:15pm; (Chapters 12, 13, 14)		

Notes:

- *Schedule may change throughout semester due to unforeseen circumstances.*
- *Jan. 19: "W" withdrawal period begins*
- *Mar. 18: Last day to drop an individual course*
- *Apr. 29: Last day to completely withdraw from Fall semester*