

GEOL 1030 SYLLABUS PHYSICAL GEOLOGY LABORATORY

Lab Instructor's Name: _____

Email: _____ Office Hours: _____

COURSE GOALS

- 1- To gain hands-on experience identifying basic rocks and minerals.
- 2- To learn basic map-reading skills and identify topographic features
- 3- To improve your communication skills by researching and presenting material.

REQUIRED MATERIALS

Laboratory Manual course pack
Rock and Mineral set
Rock and Mineral testing kit
Some labs will require a laptop and/or a calculator

GRADES

Geol 1030 uses the traditional 10-pt grading scale.

100-90 = A, 89-80 = B, 79-70 = C, 69-60 = D, < 60 = F

No grades are curved and no extra credit will be given.

You grade is based on the following:

A: Weekly Quizzes 30%.

-These are short quizzes given at the beginning of class that cover material from the previous week's lab. Your one lowest quiz grade will be dropped. Missed quizzes cannot be made up.

B: Weekly Lab Exercise 30%

-These are completed during lab and turned in.

C: Mid-Term Exam 30%

-This exam covers the first half of the lab course.

D: Project Presentation 10%

-Each student will research a Geology topic and give an in-class presentation.

Note- Weekly lab exercises are to be removed from the lab manual and turned in.

ATTENDANCE

Attendance is critical in order to do well in the class. Missing lab means you get a zero for both the quiz and the lab exercise for the day. You can miss 2 labs without any extra penalty; for each lab missed thereafter your final course grade will be dropped 10 points (= one full letter grade).

If you have a valid excuse for missing a lab, contact your lab instructor right away to determine if a make-up lab is possible. Valid excuses include things such as illness,

family emergency, or travel for university-approved events (e.g., if you are on an athletic team). **You must provide written documentation** (e.g., a doctor's note) of the absence in order to request a make-up lab. Make-ups are at the discretion of the instructor; they may not be possible in some cases (e.g., field trips & student presentations). Do not attend other lab sections without prior consent of your lab instructor. Quizzes cannot be made up even if you have a valid excuse for missing the lab.

Things that are not valid excuses: oversleeping, needing to study for another class, taking extra time away from campus during a weekend or holiday, inclement weather, family trips and celebrations, extracurricular activities, etc.

POLICIES

Any student with a disability requiring that special circumstances be met for their successful completion of the course should contact the instructor as soon as possible.

Closed-toed shoes are required for all lab courses at Clemson.

No eating or drinking in lab. You will be working with acid and glass, and table space is limited.

Academic dishonesty (e.g., cheating, plagiarism) will be reported to Academic Affairs with a recommendation that you be given an F for the entire course. Disrespectful behavior, harassing others, and willful destruction of laboratory materials will not be tolerated and can result in being dropped from the course.

If the instructor is late, students must wait 15 minutes before class is officially cancelled.

Electronic devices are allowed only for note-taking. Anyone caught texting, checking messages, surfing, etc during lab will be told to leave the class for the day. A second violation will result in you being dropped from the course.

Geol 1030 is a separate course from Geol 1010; you receive separate grades for each, and they appear separately on your transcript. Thus, any questions or concerns regarding the lab should be directed to your lab instructor, not your Geol 1010 lecture instructor.

SCHEDULE

Below is a list of the lab exercises in the order you will complete them. Your instructor will announce any changes in advance. Note that some labs may require supplemental material, while other labs may skip portions of the material in the manual.

The length of the lab exercises varies, but you should plan to be in lab the full 2 hours every week. Please do not ask your lab instructor, “how long are we gonna be here today?”; that is rude and indicates that you have no interest in the class.

Your lab instructor will tell you how to prepare for any field trips in advance.

Week #	Lab Exercise
1	Class Introduction & Mineral Properties
2	Mineral Identification
3	Igneous Rocks
4	Sedimentary Processes
5	Metamorphic Rocks
6	Earthquakes
7	Field Trip- Geology Museum
8	Mid Term Exam
9	Climatology
10	Topographic Maps
11	Rivers
12	Energy Sources
13	Student Project Presentations

****HOLIDAYS****

All GEOL 1030 labs are cancelled during the weeks of Fall Break and Thanksgiving **unless** a make-up date is needed (e.g., if a lab was cancelled due to inclement weather).

