

**Introduction to Geology Lab
GEL021**

Professor: Jacob O. Sewall
Office: Boehm Bldg. 422
Office hours: M: 2 – 3, T: 9:30 - 11
H: 9:30 – 11; 2 – 3

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Class Time and Locations:

Lab:	021 - 019	H	12-1:50	BH 130
	021 - 017	F	9-10:50	BH 130

Required Text:

Intro to Geology GEL 021 Lab Manual by Prof. Kurt C. Frieauf

Course Description:

This lab is designed to give you hands on experience with the topics and concepts discussed in lecture. The principles and questions that define the field of geology will be explored in detail to provide an understanding of how scientists use tools and information to explain the world around us. We will explore earth materials, geologic processes, and the earth as a system. You will have an opportunity to use data to solve problems, to think critically, and to think creatively.

Course Objectives:

1. To provide students with an appreciation and a personal understanding of earth processes and materials.
2. To provide students with a knowledge of how the earth works as a system
3. To introduce the methods that geologists use to explore the earth.
4. To produce knowledgeable citizens that can make informed decisions concerning environmental and geologic issues.

Exams:

There will be two lab exams. The first lab exam will cover material from the first five labs. The second lab exam will cover material from the subsequent six labs. Each lab exam is worth 75 points (see point scale below).

Quizzes:

There will be **short** quizzes every week that there is NOT an exam and that is NOT PRECEDED by an exam. The quizzes will cover the material from the previous week and will take the first 10 minutes of the class period. Each quiz is worth 20 points (see point scale below) and must be taken during the lab period unless by prior arrangement.

Lab Exercises/Participation: Each week that there is NOT an exam we will complete a lab exercise. Participation in and completion of the lab exercise (i.e. active attendance) will be worth 10 points (see point scale below).

Tentative Grading:

Labs (11 at 10 points each)	110 Points
Quizzes (9 at 20 points each)	160 + 20 Points
Lab Exam 1	75 Points
Lab Exam 2	75 Points
TOTAL POINTS	420 + 20

Additional assignments may be announced throughout the semester. Percentage grades will be given to your lecture instructor for the final course grade determination.

Attendance, Late Policy, and Make-up Exams:

Students are expected to attend and participate fully in all labs. Exams can only be made up in exceptional circumstances. An excused make-up exam requires that you contact me before the exam with documentation and a valid reason why you will miss the exam. Labs and quizzes are to be completed within the 2 hours assigned to the course.

Disabilities:

If there is any student in this class who has special needs because of learning, physical or other disability, please contact me so I can accommodate your needs. You may also contact Disability Services at the Disability Services Office, 215 Stratton Administration Building, 610-683-4108.

Academic Honesty:

Much of the work completed in the lab session will be group work. However, it is expected that each student will participate fully and will complete his/her own work. Lab exams are to be individual work. All cases of dishonesty will be dealt with in accordance to the university policies detailed in The Key. A copy of this document may be found at <http://www.kutztown.edu/divisions/student-services/publications/pdfs/key.pdf>

E-mail policy: E-mail is becoming the primary mode of communication in many arenas today, e-mail correspondence, like all writing in this course, should be professional, clear, and grammatically correct. E-mail subject lines **must** contain the course number (**GEL021**). The body of the e-mail should contain a greeting, a concise, clearly written description of the question, problem, or topic, and a closing. E-mail messages *that conform to this standard* will generally be answered within one business day.

Tentative Schedule:

Week	Section	Date	Lab Topic	Lab #
1	019	20 – Jan	No Lab	-
	017	21-Jan	No Lab	-
2	019	27-Jan	Mineral Properties	1
	017	28-Jan	Mineral Properties	1
3	019	3-Feb	Mineral Identification	2
	017	4-Feb	Mineral Identification	2
4	019	10-Feb	Geologic Time	9
	017	11-Feb	Geologic Time	9
5	019	17-Feb	Plate Tectonics	Extra
	017	18-Feb	Plate Tectonics	Extra
6	019	24-Feb	Earthquakes	Extra
	017	25-Feb	Earthquakes	Extra
7	019	3-Mar	Igneous Rocks	3
	017	4-Mar	Igneous Rocks	3
8	019	17-Mar	Lab Exam 1	-
	017	18-Mar	Lab Exam 1	-
9	019	24-Mar	Sedimentary Rocks	5
	017	25-Mar	Sedimentary Rocks	5
10	019	31-Mar	Geologic Structures	12
	017	1-Apr	Geologic Structures	12
11	019	7-Apr	Metamorphic Rocks	7
	017	8-Apr	Metamorphic Rocks	7
12	019	14-Apr	Stratigraphy and Sedimentary Structures	6
	017	15-Apr	Stratigraphy and Sedimentary Structures	6
13	019	21-Apr	Surface Processes	Extra
	017	22-Apr	Surface Processes	Extra
14	019	28-Apr	Lab Exam 2	-
	017	29-Apr	Lab Exam 2	-