

GEOL 104 Physical Geology 100% Online Syllabus Summer 2019

Instructor: Lisa Siewert

E-mail: lsiewert@uwsp.edu

Office: UWSP at Wausau 282A **Office Hours:** by appointment

Class Times: 100% Online Course: Students should spend *at least* 6 hours per unit; May 28-25-June 21

Required Materials

1. *Earth* 5th edition by Stephen Marshak (ISBN: 9780393937503)
2. *Laboratory Manual for Introductory Geology 3rd edition* by Ludman (ISBN: 9780393937916)
3. *Geosciences Industries 13357 Introductory Earth Science Classroom Rocks and Minerals Collection*
https://www.amazon.com/gp/product/B008AK79LA/ref=ppx_od_dt_b_asin_title_s00?ie=UTF8&psc=1

Learning Outcomes

Apply scientific method with respect to plate tectonics & Earth's interior; understand the taxonomy of minerals & rocks; interpret topographic & geologic maps; apply knowledge in making predictions regarding Earth resources & geohazards; assess the interrelationship of geologic processes, geologic events & life on Earth.

Course Requirements

Complete all Canvas assignments before deadlines using the required course materials. Access to computer with high speed internet is required.

Grading

A	94-100%	B	84-86%	C	74-76%	D	64-66%
A-	90-93%	B-	80-83%	C-	70-73%	F	<63%
B+	87-89%	C+	77-79%	D+	67-69%		

No incomplete grades will be given. Grades are based on submitting correct, detailed answers to Canvas quizzes (these aren't really quizzes, they are worksheets that you can save and return to several times, but may only *submit* once) before deadlines. You may fill out the worksheets as you read the text and complete lab assignments. **Material may be submitted early, but not late** without *prior* approval. I plan on posting grades by June 23 so material not submitted by June 21 is likely to receive no credit at my discretion.

Attendance 100 % Online. Assignments due before deadlines. Late material receives no credit at instructor discretion.

Student accommodations Students with accommodation forms are expected to email the instructor before the first class.

Student Responsibility

Adhere to the syllabus, course requirements, schedules and deadlines. Successful students will complete all 12 units. Each unit has at least one:

- reading quiz (minimum of 10 multiple choice questions related to the textbook readings)
- lab exercise (minimum of 1 question related to the lab manual topics and may require use of the rock and mineral hand samples)

Expect to invest *at least* six hours per unit.

Communication

I will be using Canvas announcements your student UWSP email to communicate. Check Canvas and your student UWSP email regularly for feedback and information. Please always feel free to reach out to me with any questions or concerns you may have.

Tentative Class Schedule:

Unit	Textbook Quizzes	Lab Exercises	Due Date (11:59pm CST)
1. Tectonics	Chapter 3 & 4	2.1, 2.3, 2.4, 2.5, 2.9, 2.10, 2.12	May 30
2. Minerals	Chapter 5	3.3, 3.8, Mineral Hand Samples	June 1
3. Igneous Rocks	Chapter 6	4.1, 4.2, 4.5, 5.1, 5.2, 5.3, 5.4, 5.5, 5.8	June 3
4. Sedimentary Rocks	Interlude B, Chapter 7	6.1, 6.4, 6.5, 6.6, 6.8, 6.9, 6.10, Sedimentary Rock Hand Samples	June 5
5. Metamorphic Rocks	Chapter 8	7.1, 7.2, 7.5, 7.6 Metamorphic Rock Hand Samples	June 7
6. Volcanos & Earthquakes	Chapter 9 & 10	5.14, 16.2, 16.3, 16.4, 16.5, 16.8	June 9
7. Folds & Faults	Chapter 11	15.1, 15.2, 15.5, 15.6, 15.7, 15.8, 15.9, 15.13, 15.16	June 11
8. Streams and Floods	Chapter 17	10.1, 10.2, 10.3, 10.4, 10.6, 10.8, 10.9, 10.10	June 13
9. Coastal Geology	Chapter 18	14.1, 14.2, 14.3, 14.4, 14.7, 14.8, 14.9	June 15
10. Groundwater & Deserts	Chapter 19 & 21	12.2, 12.3, 12.5, 13.1, 13.2, 13.3, 13.4	June 17
11. Glaciers & Climate Change	Chapter 22 & 23	11.1, 11.2, 11.3, 11.4, 11.5, 11.7, 11.8	June 19
12. Geologic Time	Chapter 12	17.1, 17.2, 17.3, 17.5, 17.6, 17.7, 17.8	June 21