



Wausau  
**UW-Stevens Point**

## **GLG 100: Introduction to Geology**

**Spring 2019**

Lecture: Tues & Thurs 1:00 -2:15 (Rm 180)

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**Office Hours:** Wausau--282A TTh 11:45-12:45; or by appointment  
UWSP--SCI D331 M 9:30-10:30 and W 1:00-2:00; or by appointment

**Geology 100** is a 3-credit course that will fulfill requirements for the natural science credits necessary for your AA&S degree. This course will cover the physical nature of Earth. We will discuss topics that include the processes in operation above, on, and beneath the surface of Earth that continue to shape its physical evolution (e.g. plate tectonics, volcanism, faulting and earthquakes, glaciation, running water); the origin and nature of common minerals and rocks and their distribution in the world; and landscapes and their origins (e.g. mountain ranges, glacial forms, river valleys, etc.).

The **two overarching goals** of this course are:

- 1) to create a joy of learning about the Earth we inhabit and to spread that self-satisfaction and knowledge to others, such as your friends and [future] children. I want you to be able to look around you wherever you go, marvel at what you see, and understand why it is the way it is.
- 2) to impart to you a relevance of scientific knowledge and processes so that you can become a better thinker and decision-maker during your life – economically, politically, socially, and personally.

**At the completion of this course, I will be able to:**

1. Interpret the tectonic history of the Earth through geologic time
2. Understand the transfer of energy and matter throughout the spheres of the geosystem
3. Evaluate environmental and physical conditions as they relate to the underlying tectonic history and modern geological processes
4. Understand how geology relates to their everyday lives
5. Communicate scientific ideas

**At the completion of this course, students will have improved their skills at:**

1. Oral and written communication
2. Accessing, reading and critically evaluating on-line and traditional resources
3. Collecting and evaluating data

**Required Text:** We will be using a freely available open source textbook

<http://opengeology.org/textbook/> Links to required reading assignments are available on D2L.

**Additional resources:** Lecture notes, flashcards, and videos are available on the course D2L website:  
<http://d2l.uwc.edu/>.

**Required Materials:** Please bring these items with you to class each day unless otherwise noted.

- 3-ring binder or folder to hold class handouts and notes

### Grading

Generally, the following division will apply to all course grades (i.e. exams, assignments, final grades):

A	94-100%	B	84-88%	C	74-78%	D	64-68%
A-	90-93%	B-	80-83%	C-	70-73%	D-	60-63%
B+	87-89%	C+	77-79%	D+	67-69%	F	<59%

Your final grade will be calculated as follows. Grades will be available throughout the semester on D2L.

**Assignments:** 30% of total course grade

Periodically throughout the semester we will have in-class activities and assignments. You are responsible for turning in all assignments by the due dates listed on the syllabus. Sometimes, we'll do in-class activities which will be collected for points and those are not listed on the syllabus. If you do not contact me ahead of time for missing class, you will not be given the assignment.

**Reading Quizzes:** 20% of total course grade

There are assigned readings from our online textbook. Every week you will take at least one reading quiz on D2L. All reading quizzes are due by 11:59pm on the Sunday of the week that they are assigned. One quiz will be dropped from the gradebook.

**Mid-term Exams:** 50% of total course grade

This consists of 3 mid-term exams. Exams will be mostly multiple-choice, matching, and short answer format. *No make-up exams will be given.*

**CLASSROOM CONDUCT** To maintain a good learning environment, rude and/or disruptive behavior will **NOT** be tolerated. You will be asked to leave the class if your behavior is deemed inappropriate. The following examples are considered rude and disruptive:

- Consistently arriving late to class
- Private conversations during lectures and discussions
- Habitually leaving and returning to class in one class period
- Allowing your cell phone to ring on numerous occasions or texting

*As the instructor of this course, I reserve the right to determine what constitutes as disruptive behavior and you as a student do not have that right.* If the disruptive behavior continues or is serious enough, a student may be subject to discipline and may receive a sanction that may range from subtraction of points towards the course grade to permanent removal from class. **Academic and non-academic misconduct** can affect your grade, your permanent student record, even your ability to continue as a student. There are serious consequences, clearly explained in a publication called Student Rights and Responsibilities available from Student Services. **Plagiarism** and other forms of cheating are considered academic misconduct, and interfering with other students' ability to learn is considered non-academic misconduct. Lab reports and assignments are to be submitted by each student.

### Missed Lecture procedures

Since this class only meets twice a week for half of the semester (and online after Spring Break), it's imperative to make every effort to attend each session. If you notice a conflict that will prevent you from attending, please contact me as soon as possible. I will only allow make-up work for excused absences and will be determined on a case-by-case basis. Please contact me to discuss an excused absence.

## Accommodations

Students with approved Individualized Accommodation Plans should make an appointment with me to discuss accommodation needs. Students who are seeking accommodations services who do not already have an approved Individualized Accommodation Plan should first contact the Student Services Office.

Week	Dates	Lecture Topic	D2L Assignments (due Sundays 11:59pm)
1	1/29	Introduction & Minerals	RQ1, A1
	1/31	Minerals	
2	2/5	Continental Drift	RQ2, A2, A3
	2/7	Plate Tectonics	
3	2/12	Igneous Rocks	RQ3, RQ4, A4
	2/14	Weathering	
4	2/19	Sedimentary Rocks	RQ5, RQ6, A5, A6
	2/21	Metamorphic Rocks	
5	2/26	<b>Exam 1</b>	RQ7, A7
	2/28	Volcanoes	
6	3/5	Earthquakes	RQ8, A8
	3/7	Faulting	
7	3/12	Folding	RQ9, A9
	3/14	Relative Geologic Time	
8	3/19	Absolute Geologic Time	RQ10, A10
	3/21	<b>Exam 2</b>	
9	3/25-3/31	<i>Spring Break</i>	
10	4/1-4/7	Streams & Floods	RQ11, A11, V1
11	4/8-4/14	Groundwater	RQ12, A12, V2
12	4/15-4/21	Glaciation	RQ13, A13, V3
13	4/22-4/28	Coastal Geology	RQ14, A14, V4
14	4/29-5/5	Climate Change	RQ15, A15, V5
15	5/6-5/12	Geologic Resources	RQ16, A16, V6
<b>17</b>	<b>May 17</b>	<b>Exam 3 (1:00-3:00pm) in 180</b>	