

## Environmental Geology (Geology 330) Syllabus Fall 2019

**Instructor:** Lisa Siewert email: [lsiewert@uwsp.edu](mailto:lsiewert@uwsp.edu) **Class Times:** online classes; invest >6 hours/week  
**Office Hours:** SCI D331 F 11:30-1:30; or by appointment

**Required Textbook:** Environmental Geology, 3<sup>rd</sup> Edition, 2017, by James S. Reichard, McGraw Hill

**Non-Textbook Class Materials:** Available electronically via Canvas.

### Course Learning Outcomes: Environmental Responsibility

- Recognize areas of interaction between human society and the natural environment involving topics such as coastal processes, geologic resource extraction and geohazards such as earthquakes, volcanic eruptions and mass wasting.
- Identify the individual, social, cultural, and ecological factors that influence environmental sustainability.
- Evaluate competing scientific claims that inform environmental debates concerning geologic topics.

### Student Rights and Responsibilities:

Students are required to interact in a positive, polite manner and engage in scientific inquiry via active participation in Canvas, classroom exercises, online discussions and readings. Students are responsible for providing insightful and detailed answers to all assignments *before* deadlines at an appropriate university level as determined by Prof. Siewert. Students are responsible for their learning and grades will reflect the degree to which these responsibilities have been fulfilled. This is an online Canvas course and all online coursework needs to be *completed prior to deadlines* unless prior written documented arrangements are made with the instructor. Expect to invest at least six hours per week.

### Grading:

Grades based on submitting correct, detailed answers to Canvas reading quizzes, lab exercises, and discussions before deadlines. Material may be submitted early. Contact me, Lisa Siewert [lsiewert@uwsp.edu](mailto:lsiewert@uwsp.edu), if you plan on submitting late material, or you may receive no credit at my discretion.

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

**Attendance Policy:** As a 100% online course, no face-to-face meetings are required. You are expected to invest > 6 quality hours/week per UWSP guidelines.

**Disabilities:** Students with disabilities of any nature are encouraged to contact the instructor as soon as possible to accommodate individual student needs.

**Communication:** I will be using Canvas & your student UWSP email to communicate. Check Canvas and your student UWSP email regularly for feedback and information.

## COURSE SCHEDULE

<b>Week</b>	<b>Reading Quiz</b>	<b>Lab Exercise</b>	<b>Assignments</b>	<b>Due Date (11: 59 pm CST)</b>
1	Chapter 1	Lab 1: Earth System	A1: Memorable Geologic Event	<b>9/9/19</b>
2	Chapter 4	Lab 2: Topographic Maps	A2: Plate Tectonics	<b>9/16/19</b>
3	Chapter 5	Lab 3: Earthquake Hazards	A3: Earthquake Prediction	<b>9/23/19</b>
4	Chapter 6	Lab 4: Volcanic Hazards	A4: Volcano Risk	<b>9/30/19</b>
5	Chapter 7	Lab 5: Mass Wasting	A5: Mass Wasting	<b>10/7/19</b>
6	Chapter 8	Lab 6: Streams & Flooding	A6: National Flood Insurance Program	<b>10/14/19</b>
7	Chapter 9	Lab 7: Coastal Hazards	A7: Coastal Erosion	<b>10/21/19</b>
8	Chapter 10	Lab 8: Soil Resources	A8: Soil Pollution	<b>10/28/19</b>
9	Chapter 11	Lab 9: Groundwater Resources	A9: Water Use	<b>11/4/19</b>
10	Chapter 3, Chapter 12	Lab 10: Mineral Resources	A10: Diamonds	<b>11/11/19</b>
11	Chapter 13	Lab 11: Conventional Energy	A11: Crude Oil Consumption	<b>11/18/19</b>
12	Chapter 14	Lab 12: Alternative Energy	A12: Hydroelectric Dams	<b>11/25/19</b>
13	Chapter 15	Lab 13: Waste Pollution	A13: Pollution	<b>12/2/19</b>
14	Chapter 16	Lab 14: Climate Change	A14: Emission Reduction	<b>12/9/19</b>