

Weathering and Erosion - Part II

I cannot be physically-present today - I'm attending the [annual meeting](#) of the American Association of Geographers (AAG) in Boston, MA. This online class titled *Weathering and Erosion - Part II* consists of four sections as detailed below that you should complete in the suggested sequence. And yes - all this material will be on our next test. For reference: here's our class schedule until Test #3 on Friday 14 April 2017.

Week 10	Class 24	3/27 (Mo)	Rocks and Minerals I	Ch. 13, 14
Week 10	Class 25	3/29 (We)	Rocks and Minerals II	Ch. 13, 14
Week 10	Class 26	3/31 (Fr)	Plate Tectonics, Volcanoes, Earthquakes	Ch. 13, 14
Week 11	Class 27	4/3 (Mo)	Weathering and Erosion I	Ch. 15
Week 11	Class 28	4/5 (We)	Weathering and Erosion II (Online class)	Ch. 15
Week 11	Class 29	4/7 (Fr)	Groundwater and Soils (Online class)	Ch. 9, 12
Week 12	Class 30	4/10 (Mo)	Fluvial Processes I	Ch. 16
Week 12	Class 31	4/12 (We)	Fluvial Processes II	Ch. 16
Week 12	Class 32	4/14 (Fr)	Test #3	

1) Online Lecture.

I recorded this lecture a few years on 4 April 2014, so please ignore any specific references to time or to the course schedule of that particular semester. However, the underlying concepts and processes associated with weathering, mass wasting, and erosion have not changed. These lectures are YouTube videos, so you can stop, rewind, and replay as needed.

- Part 1: <https://youtu.be/bP9j80Vpo6I>
- Part 2: <https://youtu.be/iwEQSZexixI>
- Part 3: <https://youtu.be/l1CUJUIRj-E>
- [The complete lecture as a PDF](#) (without narration)

2) Review Questions.

Please consider the following questions to practice your understanding of the topic and content.

1. Explain the differences and similarities between weathering, mass wasting, and erosion. Here you need to explain and define the three terms and then explain the differences and similarities. Remember – there is a defined sequence of events here – what has to happen first?
2. Explain the differences between mechanical weathering and chemical weathering. Provide at least one example for each of the two main weathering types. How do they often work together in landscape denudation?

3) Additional Resources.

Please explore the links listed below. Trust me: well-worth your time.

- [The 2014 Oso Landslide: Before and After](#) (New York Times).
- [The 2014 Oso Landslide: Before and After](#) (Seattle Times).
- [The debrisflow in Virgen, Austria](#) (4 August 2012)
- [The flood and debrisflow of Braunsbach, Germany](#) (29 May 2016).
- [The Amazing Science of ... Dust?](#) (5:39 minutes)

4) Assignment.

Please complete the [Weathering and Erosion #2 worksheet](#) for the next time we meet for class on Monday 10 April 2017.