

## GEOL101: Physical Geology

Instructor: Dr. Alan Cutler

Text: *Essentials of Geology* (12<sup>th</sup> ed.), Lutgens et al

Lecture: Mon, Wed 11:00 AM - 12:15 PM Lab: Mon, Wed 12:30 PM - 1:45 PM

Room 404 Science Center

Week	Day	Date	Lecture Topic	Reading	Lab Topic
1	Mon	21-Jan	MLK Day		MLK Day
	Wed	23-Jan	Introductory	Ch.1	Google Earth
2	Mon	28-Jan	Earth System	Ch.1	Intro Minerals
	Wed	30-Jan	Plate Tectonics	Ch.2	Minerals
3	Mon*	4-Feb	Plate Tectonics	Ch.2	Minerals
	Wed	6-Feb	Minerals	Ch.3	Minerals
4	Mon*	11-Feb	Igneous Rocks	Ch.4	Minerals
	Wed	13-Feb	Igneous Rocks	Ch.4	<b>QUIZ</b>
5	Mon	18-Feb	<b>EXAM 1</b>		Rocks
	Wed	20-Feb	Volcanoes	Ch.5	Rocks
6	Mon*	25-Feb	Weathering and Soil	Ch.6	Rocks
	Wed	27-Feb	Sedimentary Rocks	Ch.7	Rocks
7	Mon*	4-Mar	Metamorphic Rocks	Ch.8	Rocks
	Wed	6-Mar	<b>EXAM 2</b>	-	<b>QUIZ</b>
8	Mon	11-Mar	<b>SPRING BREAK</b>		
	Wed	13-Mar			
9	Mon	18-Mar	Geologic Time	Ch.18	Geologic Time
	Wed	20-Mar	Geologic Time	Ch.18	Geologic Time
10	Mon*	25-Mar	Earthquakes	Ch.9	Topo Maps
	Wed	27-Mar	Earthquakes	Ch.9	Topo Maps
11	Mon*	1-Apr	Geologic Structures	Ch.11	Geol. Structures
	Wed	3-Apr	Geologic Resources	7.5,7.9,3.9,4.9,6.10	Geol. Structures
12	Mon*	8-Apr	Geologic Resources	7.5,7.9,3.9,4.9,6.10	<b>QUIZ</b>
	Wed	10-Apr	<b>EXAM 3</b>		<b>TBA</b>
13	Mon	15-Apr	Mass Wasting & Erosion	Ch.12	Rivers
	Wed	17-Apr	Rivers	Ch.13	Rivers
14	Mon*	22-Apr	Shorelines	Ch.17	Shorelines
	Wed	24-Apr	Glaciers	Ch.15	Glaciers
15	Mon*	29-Apr	Glaciers	Ch. 15	Glaciers
	Wed	1-May	Climate Change	Ch.20	Climate
16	Mon	6-May	Wrap up & review		
	Wed	8-May	<b>EXAM 4</b> <b>May 8 10:15am - 12:15 pm</b>		

\*Lecture quiz

### Homework Assignments

1. Smartphone Minerals. Due Monday February 11.
2. Geology News 1. Due Monday, March 4.
3. Earthquake Prediction. Due Monday; April 1.
4. Geology News 2. Due Wednesday, May 1.

### Field Trip:

**Extra credit field trip to Great Falls, MD, Saturday April 13, 9:00AM-1:00PM**