

INTRODUCTION to EARTH SCIENCE

SPRING, 2010

ESCI 121 Sections 01, 02, 03

class meetings: **M, W 11:00 - 11:50 AM**

plus your scheduled weekly lab session

text: **The Good Earth** (2nd ed., McConnell, et al.)

(*see note)

course website: <http://www.neiu.edu/~jmhemzac/courses/121.htm>

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Hours: **M 12:00 - 1:00 W 2:00 - 3:00**

T, R 12:15 - 1:15

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<u>DATE</u>	<u>TOPIC</u>	<u>Reading</u>
11 Jan	Course overview and administration; Why study Earth Science?	[Ch. 1]
13 Jan	The Earth perspective: a unique, dynamic planet	Ch. 2
18 Jan	☺ <i>Holiday - Martin Luther King Day</i> ☺	
20 Jan	Interactions of Earth Systems: interpreting the shape of the earth surface	Ch. 1
25 Jan	Plate Tectonics and Earth Processes	Ch. 4
27 Jan	Earthquakes	Ch. 5
1 Feb	Earthquakes and Plate Tectonics	Ch. 4, 5
3 Feb	Volcanoes	Ch. 6
8 Feb	Volcanoes and Mountain-building	Ch. 6, 4
10 Feb	How do we <i>know</i> how the earth 'works'?	[Ch. 1, 6, 8]
15 Feb	Geologic Time and Earth Processes	
17 Feb	Exam 1: Earth systems; Plate Tectonics, Earthquakes, & Volcanoes	
22 Feb	Weathering and Erosion	[Ch. 9]
24 Feb	The Earth Under our Feet ...	
1 Mar	... Rocks & Minerals	Ch. 7
3 Mar	Interpreting Rocks and Landscapes	
8 Mar	Weathering and Soil	Ch. 9
10 Mar	Surface water and stream processes	Ch. 11
15 Mar	Streams and Floods	Ch. 11
17 Mar	Shorelines, sediments, and sea levels	Ch. 7, 13
22-26 Mar	☺ <i>SPRING BREAK</i> ☺	
29 Mar	Sediments and sedimentary environments	Ch. 8, 10
31 Mar	Oceans, Shorelines, and more: Interpreting Earth History and Process	
5 Apr	Exam 2: Geologic time; Rocks; Landscapes, Weathering and Stream Process	
7 Apr	Atmosphere, Weather and Climate	[Ch. 14-16]
12 Apr	The rest of earth's water: in the ground	Ch. 12
14 Apr	Clouds and Precipitation	Ch. 14, 15
19 Apr	Air Pressure, Air Masses, Wind, and Weather Systems	Ch. 14, 15
21 Apr	Weather Patterns and Earth Climates	Ch. 15, 16
26 Apr	Tectonic controls on weather and climate: coming full circle	Ch. 16
28 Apr	Plate Tectonics and Earth Environments: Interpreting earth's history of change	
3 May	Earth System science - a "big picture" understanding	
5 May	Final Exam Wednesday, 2:00 - 3:50 PM – note different time!!	

The printed schedule is subject to change; any changes will be announced in class and posted on the course website. Each student is individually responsible for information given in class, and updating their syllabus accordingly.