

## LECTURE SCHEDULE (subject to change)

Week of: Tues. & Thurs.	Topic <b>All lectures are recorded and will be available on Bb</b>	Reading: <u>Earth</u> by Tarbuck, Lutgens, Tasa 12 <sup>th</sup> ed.  <b>READ RELEVANT INFORMATION</b>
8/18	Introduction to the Course	<b>Earth:</b> Ch. 1 p. 14-19
8/20	Geologic Time ~ 25 min Earth's Origin ~ 60 min	<b>Earth:</b> Ch. 1 p. 9-11; Ch. 9 p. 292-295 <b>Earth:</b> Ch. 1 p. 19-22; Ch. 24 p. 734; Ch. 22 p. 671-674
8/25	Earths Layers ~ 20 min The Geosphere ~ 45min.	<b>Earth:</b> Ch. 1 p. 23-24; Ch. 12 p. 364-365 & 368-373; Ch. 14 p. 434-435; p.557
8/27	Earth's Internal Heat Intro. to Plate Tectonics ~ 50 min	<b>Earth:</b> Ch. 1 p. 28-32; Ch. 13 p. 390-396; Ch. 14 p. 420 <b>Earth:</b> Ch. 12 p. 373-377
9/1	Plate Boundaries/Paleomagnetism/ Hotspots ~ 3 hr. (5 videos)	<b>Earth:</b> Ch. 2 p. 38-71; Ch. 12 p. 374-382; Ch. 13 p. 400-416; Ch. 14 p. 421-430; Ch. 5 p. 169-173
9/3	"	
9/8	Minerals / start Igneous Rocks <b>QUIZ 1: day TBA</b>	<b>Earth:</b> Ch. 3 p. 74-105 / Ch. 1 p. 25-27 See Study guide. Quiz available only during lecture time
9/10	Igneous Rocks / Intrusive Activity	<b>Earth:</b> Ch. 4 p. 108-122
9/15	Sedimentary Rocks	<b>Earth:</b> Ch. 7 p. 212-239
9/17	Sedimentary Rocks and Depos. Environments	<i>Lab exam 1 this week</i>
9/22	<b>EXAM 1: day TBA</b>	See Study guide. Exam available only during lecture time
9/24	Weathering and Soils	<b>Earth:</b> Ch. 6 p. 182-209
9/29	Volcanoes parts 1&2 (2 videos-80 min. total)	<b>Earth:</b> Ch. 5 p. 142-179 / Ch. 21 p. 645-647
10/1	"	
10/6	Geologic Structures (folds & faults)	<b>Earth:</b> Ch. 10 p. 304-324; Ch. 14 p. 433-434; Ch. 19 p. 577-581
10/8	Earthquakes (~ 1 hr. 45 min. 3 videos)	<b>Earth:</b> Ch. 11 p. 328-361
10/13	Earthquakes Hazards	<b>Earth:</b> Ch. 11 p. 328-361
10/15	<b>EXAM 2: day TBA</b>	See Study guide. Exam available only during lecture time
10/20	Pre-field virtual trip lecture (must see before doing lab)	Just lecture notes
10/22	San Andreas Fault and CA Faults	<b>Earth:</b> Ch. 10 p. 318-319; Ch. 14 p. 433-434
10/27	Rivers / Groundwater	<b>Earth:</b> Ch. 16 p. 468-499
10/29	"	
11/3	Mass Movement / Coasts	<b>Earth:</b> Ch. 15 & 20 pages TBA
11/5	Glaciers & Climate	<b>Earth:</b> Ch. 18 p. 558-564
11/10	Mass Extinction?	
11/12	Review	<i>Lab final this week</i>
11/17 Tues.	<b>Final Exam: 11:00-1:00</b>	See Study Guide

**ZOOM MEETINGS FOR LECTURE WILL BE ANNOUNCED EACH MONDAY. PROBABLY EVERY 3<sup>RD</sup> LECTURE AND WILL TAKE PLACE DURING LECTURE TIME. LENGTH WILL VARY DEPENDING ON QUESTIONS.**

**EOSC110: LAB SCHEDULE FOR Fall 2020**

Subject to change

Lab Num.	Thursday Friday	TOPIC (both sections cover same topic)	LAB EXERCISE AND DUE DATE	Mandatory Zoom lab meetings Subject to change
1	20 Aug. 21 Aug.	Geologic Time Scale	See learning module on Bb	Thurs.: 3:30-5:00 Fri.: 3:30-5:00
2	27 Aug. 28 Aug..	Plate Tectonics	See learning module on Bb	Thurs.: 3:30-5:00 Fri.: 3:30-5:00
3	3 Sept. 4 Sept.	Minerals	See learning module on Bb	Thurs.: 3:30-5:00 Fri.: 3:30-5:00
4	10 Sept. 11 Sept..	Igneous / Sedimentary / Metamorphic Rocks	See learning module on Bb	Thurs.: 3:30-5:00 Fri.: 3:30-5:00
5	17 Sept. 18 Sept	<b>EXAM 1</b>	<b>See Study guide</b>	<b>During lab time</b>
6	24 Sept. 25 Sept.	Topographic Maps	See learning module on Bb	Thurs.: 3:30-5:00 Fri.: 3:30-5:00
7	1 Oct. 2 Oct.	Relative Dating	See learning module on Bb	Thurs.: 3:30-5:00 Fri.: 3:30-5:00
8	8 Oct. 9 Oct.	Tourmaline Beach Field Trip	See learning module on Bb	Thurs.: 3:30-5:00 Fri.: 3:30-5:00
9	15 Oct. 16 Oct.	Geologic Structures (folds and faults)	See learning module on Bb	Thurs.: 3:30-5:00 Fri.: 3:30-5:00
10	22 Oct. 23 Oct.	Virtual weekend field trip	See learning module on Bb	Thurs.: 3:30-5:00 Fri.: 3:30-5:00
11	29 Oct. 30 Oct.	Coastal field trip? TBA	See learning module on Bb	Thurs.: 3:30-5:00 Fri.: 3:30-5:00
12	11/5 11/6	Review		Thurs.: 2:30-? Fri.: 2:30-?
13	11/12 11/13	<b>EXAM 2: LAB FINAL</b> Last week of classes	<b>See Study guide</b>	<b>During lab time</b>

Please make an effort to start the lab (view ppt first) at its regular start time of **2:30 PM Thurs. or Friday** Read instructions carefully, download worksheet and get started, write down questions you might have. Professors Rector and/or Baker Treloar will join you via zoom for assistance starting at 3:30 (see schedule above).

All class meetings, lecture and lab: password: **“earth”**

<https://sandiego.zoom.us/j/91409847365?pwd=TVVzdmkzcEt1amE0VnREZzI3aERHUT09>