UNIVERSITY OF SAN DIEGO
ENVIRONMENTAL AND OCEAN SCIENCES
EOSC110: INTRODUCTION TO GEOSCIENCES/ SPRING 2020

THIS IS A REVISED SYLLABUS FOR ONLINE SECTION OF THIS COURSE, PLEASE REFER TO ORIGINAL SYLLABUS FOR ANY CONTENT REGARDING LEARNING OUTCOMES OR COURSE DESCRIPTION

LECTURE INSTRUCTOR: Elizabeth (**Liz**) Baker Treloar

- **office:** cyberspace!
- **email: ebaker @ sandiego.edu**
- **office hours:** I will be available to answer emails during lecture time **T/TH from 10:45 am to 12:15 pm** ***pacific time*** and lab time **Thursdays from 2:30 to 5:00 pm** ***pacific time***. I will reply to your emails in a timely manner if you send themany other time. I realize some are in different time zonesand it will be difficult to send email during the times designated above.

LAB INSTRUCTORS:

Thursday Lab (sec. 1): **LizBaker Treloar**

Friday Lab (sec. 2): Ray Rector

- **office:** outer space!
- **email**: geoprof@geoscirocks.com / **Website**: www.geoscirocks.com
- **office hours**: will be available to answer emails during lab time **Friday from 2:30 to 4:00** ***pacific time and by email appt.***

TEXTBOOKS:

LECTURE

- Earth:An Introduction to Physical Geology, Tarbuck & Lutgens, Pearson 12th ed. **See Blackboard**
- **If you have access to the text on Bb take advantage of the video links and all information. This will help!**

LAB

- We will not be using the original reader (course material packet), there are revised lab exercises which will be posted on Bb in the **Thursday-Friday Lab folder**. Some labs have been eliminated due to the difficulty of teaching online, less frustration for you!
- Chapters from the lab manual are in the same folder. This information will help you with the new exercises, read appropriate information that will help with your understanding of lab exercise and post quiz questions.

HOW WILL LECTURE AND LABS BE ORGANIZED TO START

- **Subject to change** once we adjust to this new way of learning and teaching (for us as a class) and Professor Rector and I become more familiar with zoom and Bb features we have never used before.
- Both of us teach multiple courses and have been extremely overwhelmed trying to transition. Last week *(week of 3/16)* started with multiple conversations about how to organize and make the transition to this new way of teaching for us. This course will be evolving as we proceed.

- **LAB:** All labs will be asynchronous which means you do not have to go to class online during the regular scheduled lab time. Make sure you complete the lab exerciseby the end of the week (see LAB FOLDER).
  You will be completing a **weekly geology lab learning module**, which typically contains the following: **1)** a chapter out of a digitized, PDF-format, geology lab manual (that corresponds to the lab topic of inquiry); **2)** topic-tailored PowerPoint lab lecture (PDF-format) slide show (like the ones that I have used in the previous weeks) that gives you all the necessary background information and methods to complete the lab assignment (which compliments the lab manual material); **3)** the lab assignment worksheet that you fill out (very similar to the ones that you have been downloading and completing in lab over the last couple of months); **4)** a lab activity quiz that tests you on the various aspects of your completed lab worksheet; and finally 5) posting a short written reflection of your lab learning experience

- **LECTURE:** All lectures will be asynchronous which means you do not have to go to class online during the regular scheduled class time. Make sure you watch the recorded lecture and complete the lecture notes (like we were using in class) in lecture notes folder by the end of the week. Eventually there will be post lecture quizzes (an assignment) with a deadline for completion to make sure you keep up with the lectures.

more→

BLACKBOARD SUPPORT RESOURCES: PLEASE check out the campus Blackboard website for help Bb navigational issues

Campus Bb help site: https://www.sandiego.edu/learning-design-center/blackboard/students.php

ITS RESOURCES:PLEASE review ITS website for help with technology issues

- **Zoom help:** https://www.sandiego.edu/its/support/remote-technology/students.php
    - You will need a zoom account if you would like to schedule office hour time to discuss any questions you might have, or review material with other classmates. Lab groups can get together and work on labs.

COURSE REQUIREMENTS AND POLICIES: PLEASE BE FAMILIAR WITH THE FOLLOWING

- Keeping up with the recorded lectures, post lecture assignments/quizzes, lab exercises, and post lab quizzes/reflections is critical to your understanding of the subject matter. As an introductory class, there is a tremendous amount of information and new terminology. **Emphasis will be on integration of terms and concepts, focusing on critical thinking**; it never works well to memorize 'mechanically", it is important to**understand the material**.
- **Check your email and Blackboard:** announcements and important information about the course will be posted on Blackboard.
- Cumulative **grades** will not be posted on blackboard. Any assessment (post lab quizzes, lecture assignments, exams) performed on Bb, you will receive a score. The point totals you see on Bb are not complete, the points (scores) from the first 5 weeks of the semester are not on Bb. Please send email if you have a question about your overall grade.
- **Online exams:** Will cover course material presented in the video lectures for the online lecture final exam and information in lab modules for the online lab exam (see revised syllabus).
    - The lecture text, Earth: Introduction to Physical Geology, is an excellent resource to supplement online lectures. You will not be expected to know information from the text if it is not covered in the online lectures.
    - Exam questions will be presented in a multiple choice, T/F, matching, and possibly short answer or fill in the blank format. See final exam study guides (lab and lecture) for new announcements regarding exam format.
    - Exam scores will be available on Bb, however, not your cumulative grade.
    - Respondus Lockdown Browser will be used for the final exams. More information TBA later.
- Please **communicate** any concerns or special needs in a timely manner.
- **Academic Integrityapplies to online assignments, quizzes, and exams:** You are responsible to have read and fully understand the meaning and expectations of academic integrity. Any suspected violations of academic integrity will be referred to the Dean of Arts and Sciences and may result in a failing grade for the course. Please review the Academic Integrity Policy, which can be found in the University's Policy and Procedure Manual, this is available as a PDF file: **https://www.sandiego.edu/conduct/documents/HonorCode.pdf**
- **Make sure you stay in touch!**

COURSE EVALUATION AND GRADING POLICY: subject to change

- **60% of course grade from lecture performance:**
    - 2 Exams and quiz
    - Video assignments and any other online lecture assignments (TBA).
    - Attendance*(applies only to first 5 weeks of course)*
    - THERE ARE NO EXTRA CREDIT assignments
- **40% of course grade from lab performance:**
    - **30%**: Lab module exercises(includes weekend field trip assignment, this is now a lab exercise),attendance and punctuality*(applies only to first 5 weeks of course)*
    - **70%:**2 lab exams and 2 quizzes (mineral and geologic time)
    - THERE ARE NO EXTRA CREDIT assignments
- You will receive one course grade for the lecture and lab combined. The **lecture** will count for **60%** of your final grade and the **lab** will count for **40%** of your final grade. (Original syllabus stated 67% and 33%)
- Exams, quizzes, assignments, and course grade will be determined using the following scale:
  100-90% **A to A**-; 89-80% **B+ to B-**; 79-66% **C+ to C**-; 65-55% **D+ to D**-; < 55% **F**

See lecture and lab schedules on next page→

LECTURE SCHEDULE–SPRING 2020

Subject to change, includes exam dates/times

Week of: Tues. & Thurs.	LECTURE Topic	Reading: Earth by Tarbuck, Lutgens, Tasa 12th ed. READ RELEVANT INFORMATION
3/10 3/12	Finish Sedimentary Rocks Tourmaline Beach prep./**start** Geologic Structures (faults)	**Earth: Ch. 7** p. 212-239 **Earth: Ch. 10** p. 304-324; **Ch. 14** p. 433-434;**Ch. 19** p. 577-581
3/17	Prep. For online classes	
3/24 3/26	Re-Group: discuss how course will be structured and review for exam 1: hopefully through zoom **EXAM 1**	
3/31 4/2	Faults / Start Earthquakes Earthquake Hazards	**Earth: Ch. 11** p. 328-361 **Earth: Ch. 11** p. 328-361
4/7 Tues.	San Andreas Fault and S. CA Faults	**Earth: Ch. 10** p. 318-319; **Ch. 14** p. 433-434
4/9 to 4/13	**EASTER BREAK**	**No lecture posted for Thurs. 4/9**
4/14 4/16	Finish SAF / Start Volcanoes Volcanoes	 **Earth: Ch. 5** p. 142-179 **/Ch. 21** p. 645-647
4/21 4/23	Weathering and Soils Rivers	**Earth: Ch. 6** p. 182-209 **Earth: Ch. 16** p. 468-499
4/28 4/30	Groundwater/Landslides Glaciers & Climate	**Earth: Ch. 17**p. selected pages / **Earth:Ch. 15**p. selected pages **Earth: Ch. 18** p. 558-564
5/5 5/7	Finish Erosion *if need to*/ The Precambrian The Precambrian cont./ start the Phanerozoic	**Earth: Ch. 22** p. 670-680**/Ch. 21** p. selected pages
5/12 ***Tues.last class***	Finish The Phanerozoic	**Earth: Ch. 22**; p. 681-701 ***Lab Finals this week***
5/19 (Tues.)	**FINAL EXAM**	**See Study Guide**

LAB SCHEDULE **Subject to change**

Both lab sections are essentially combined and will be doing the same exercises

	12&13 March	Topographic Maps	Yosemite topographic map will be posted along with a key for the lab exercise you did the week of 3/12 and 3/13.
	19&20 March	Prep. For online teaching	
1	26&27 March	Relative Dating and Faults	**Earth lecture text: Ch. 9** p. 274-281 **See Lab module exercise**
2	2&3 April	Tourmaline Beach	**See Lab module exercise**
	4/9-4/13	**Easter break**	
3	16&17 April	Pre-Field Trip lecture Weekend field trip exercise	**See Lab module exercise**
4	23&24 April	**TBA**	**See Lab module exercise**
5	7&8 May	Practice Review exercise for final	**See Lab module exercise**
6	**12 May (Tues.)** **13 May (Wed.)**	**EXAM 2: LAB FINAL** Last week of classes	**See study guide**