Course Syllabus

Geology 102 - Geology of Planet Earth Lab

Syllabus – Fall 2018

Aug 28, 2017- Dec 10, 2017

Tuesdays @ 5:00 pm in Eucalyptus Hall 2221

Instructor: Carlos Gómez

Office: Live Oak 1225 second floor of the adjoining building

Office Hours: Thursdays 9:00-10:00 am, or by appointment (email me a list of times convenient for you)

Email: carlos.gomez.666@my.csun.edu

Course Information

Location: Eucalyptus Hall 2221

Class Number: 17560


Last day to drop the class through SOLAR: September 15.

Course Objective

This course compliments the Geology 101 lecture course; you should be able to apply the concepts learned in the lecture class to the lab exercises. Topics covered within this lab will include the geologic timescale, rock and mineral identification, plate tectonics, topographic maps, natural resources, and natural hazards. You may ask me questions on your Geology 101 classes (though I may not always have the answers)

Course Requirements

This is a hybrid lab class; this means that some labs, as well as supplemental information for the class, will be online (Canvas). You
must have access to a computer and the internet, and you must check Canvas and your email regularly for updates and communications regarding this class. **Attendance is mandatory for the in-class labs; you will not be able to make up a lab, no exceptions.**

**Grading**

Your grade in this class will be based on the quality of your in-class lab assignments (50%), attendance and participation (10%), quizzes (15%) and final exam (25%). See grading scale below.

**Labs (20 points each - total of 200 points):** You are responsible for reading through each lab prior to class. There will be one or two chapters per class (see lab schedule below). If two lab activities are assigned on one day, they will be graded as one. In-class labs will be due at the end of each class. All labs will be completed in groups of 2 to 6 students. One lab per student. You may work with your lab partners on Canvas labs; however, each person must submit their own lab on Canvas. Canvas labs will be available at the beginning of the lab on the day it is due. It will generally be open until midnight the day after it is assign (~36 hours). There are generally no make-ups for missed labs (in class or on Canvas), unless extreme (and verifiable) circumstances arise. However, your lowest lab will be replaced by your group’s average score, so that’s incentive to stick together.

**Canvas Assignments (5 points each - a total of 50 points):** Each week there will be an assignment(s) on each of the chapter you just did in class; you get a week to do each and are allowed class time to finish it. These are generally online individual assignments but you can work in groups if desired.

**Canvas Quizzes (25 points each - a total of 50 points):** Canvas quizzes (not the Socrative app / participation quizzes) will be on Canvas, they will be available the morning they are scheduled (see Lab Schedule below), and generally will close at 11:55 pm the following day. The quizzes will be cumulative! You will be allotted 30-45 minutes for each quiz, and you will have 2 attempts. These are
open book/note quizzes. You are encouraged to take the quiz with team members. **There are no make-ups!**

**Final Exam (100 points):** The final will be a cumulative test on topics covered in this lab and will be on the last day of class.

**Final Grade – Grading Scale**

- A  (>92%)  
- B  (82-87.9%)  
- C  (72-77.9%)  
- D  (62-67.9%)  
- A- (88.5-92%)  
- B- (80-81.9%)  
- C- (70-71.9%)  
- D- (60-61.9%)  
- B+ (88-88.49%)  
- C+ (78-79.9%)  
- D+ (68-69.9%)  
- F(<59%)

**Incompletes “I” will not be given in this class.**

**Lab Schedule**

<table>
<thead>
<tr>
<th>Date</th>
<th>Lab #</th>
<th>Topic</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aug 28</td>
<td>0</td>
<td>Syllabus Review and Class Intro</td>
<td>In class</td>
</tr>
<tr>
<td>Sept 4</td>
<td></td>
<td><strong>NO CLASS – LABOR DAY HOLIDAY</strong></td>
<td></td>
</tr>
<tr>
<td>Sept 11</td>
<td>1</td>
<td>Chapter 1 – Setting the Stage for Learning About the Earth</td>
<td>In class</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Chapter 2 - The Way the Earth Works: Examining Plate Tectonics</td>
<td></td>
</tr>
<tr>
<td>Sept 18</td>
<td>2</td>
<td>Chapter 3 – Minerals (Mineral ID)</td>
<td>In class</td>
</tr>
<tr>
<td>Sept 25</td>
<td>3</td>
<td>Chapter 4 – Minerals, Rocks and the Rock Cycle (Mineral ID)</td>
<td><strong>Canvas - Online</strong></td>
</tr>
<tr>
<td></td>
<td></td>
<td><em>Quiz 1 - Labs 1, 2 &amp; 3 (on Canvas, Due Sept 27th, 11:55 pm)</em></td>
<td></td>
</tr>
<tr>
<td>Oct 2</td>
<td>4</td>
<td>Chapter 5 – Using Igneous Rocks to interpret Earth History</td>
<td>In class</td>
</tr>
<tr>
<td>Oct 9</td>
<td>5</td>
<td>Chapter 6 – Sedimentary Rocks, Processes &amp; Environments</td>
<td>In class</td>
</tr>
</tbody>
</table>
| Oct 16 | 6   | Chapter 7 – Using Metamorphic Rocks to Interpret Earth History (Rock ID)  
**Quiz 2 - Labs 4 & 5 (on Canvas, Due Oct 18th, 11:55 pm)** | In class |
| Oct 23 | 7   | Chapter 8 - Studying Earth’s Landforms: Maps and Other Tools  
Chapter 9 – Working with Topographic Maps | Canvas - online |
| Oct 30 | 8   | Chapter 17 - Interpreting Geological History | Canvas - online |
| Nov 6  | 9   | Chapter 15 – Interpreting Geologic Structures on Block Diagrams,  
Geologic Maps and Cross Sections | Canvas - online |
| Nov 13 | 10  | Chapter 16 – Earthquakes and Seismology  
**Quiz 3 – Labs 7, 8, 9 & 10 (on Canvas, Due Nov 11th, 11:55 pm)** | In class |
| Nov 20 |     | No Class - Thanksgiving Holiday Week | No class |
| Nov 27 | 11  | Review for Final Exam | In class |
| Dec 4  |     | FINAL EXAM – Lab final is the week prior to University finals | In class |

**Additional Course Information**

**Academic Dishonesty:** Cheating will not be tolerated. This includes, but is not limited to cheating, fabrication, facilitating academic dishonesty, plagiarism, and altering your answers after I have graded your work (Please refer to Appendix E of the University Catalog). While you are supposed to work in groups, you should each write your own answers, in your own words. **If I find any evidence of academic dishonesty, it will result in a failing grade for the individual and notification to the Dean of Students, which may result in disciplinary action.**
**Attendance and Participation:** It is essential that you attend all labs and that you arrive on time. **Lab and quiz make-ups are not allowed.** At the end of the semester, if you fall between grades, I will take your attendance and participation into account.

**Class Conduct:** The use of technology is encouraged only on the merit of it being used in academic work directly relevant to the course. You may take notes on your electronic devices but please be respectful of your peers and don’t do things that may distract. Have your phones set on silent/vibrate. Please do not bring food into the class, you may bring bottle water. Be respectful of your classmates; refrain from talking while I am addressing the class. If you are disruptive during class, I will ask you to leave, at which point you will turn in what you have completed. Please move your belongings out of the walkways as these labs require you and your group to get up and move around to different stations. **Note: This syllabus is subject to change... 🌍**