

## Victor Valley College Syllabus Fall 2008

Course Number: Geog 101      Course Title: Physical Geology      Units: 4

Section Number: 21519      Class Hours: Lect 9:35 - 11:00 AM  
Lab T 11:20AM - 2:30PM      Days: Tuesday & Thursday      Room Number: Science 46

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Ed., Plummer

### SPRING 2008

### WITHDRAWAL POLICY

Semester Begins	Aug. 25	Last day to withdraw from a 16-week class and receive a "W" is November 4 <sup>th</sup> , 2008
Labor Day	Sept. 01	
Veteran's Day	Nov. 10	
Thanksgiving	Nov. 27 -29	

Finials	<u>Last Class Day</u>
Semester Ends	Dec. 13

**NOTE: CLASSES WILL NOT BE HELD ON THE ABOVE HOLIDAY DATES.**

#### Lecture:

1. Students will learn about the dynamics of the interior of the earth and the relationship between Plate Tectonics and the formation of the continents and the Ocean Basins. Students will be able to identify the geologic features that identify plate margins and, given an outline map of the world, be able to name to the major lithospheric plate and to draw reasonably accurate boundaries of the plates.
2. Students will learn about the 3 major rock types that make up the surface of the earth and the geologic processes responsible for the formation of each rock type.
3. Students will learn to identify major topographic features of the earth's surface through exposure to diagrams, photographs, aerial photographs, satellite images, and other visual media, and will be able to describe, using appropriate geologic terminology, the relationship between these features and the geologic processes responsible for their formation.

### Laboratory:

1. Students will be able to develop a sense of scale in dealing with the earth and the major features of the earth (Continents and Ocean Basins) by exposure to maps and charts of different scales, different kinds of map projections and of different kinds presentations.
2. Students will be able to locate various features on maps given the appropriate coordinates for the map (Latitude and Longitude, Township and Range, or some other system) and will be able to determine distances and directions to other points of interest using the appropriate scale and azimuth.
3. Students will be able to recognize 20-30 of the most common minerals of the earth using only the easily discernable physical properties of the minerals. It is expected that students will be able to identify at least 70% of the examples presented in a practical Laboratory exam.
4. Students will be able to identify rock samples representative of some of the more common varieties of the 3 major Rock Families. It is expected that students will be able to identify at least 60% of the examples presented in a practical Laboratory exam.

### Students Will be able to:

- Read and retain information.
- Employ vocabulary of the subject studied.
- Demonstrate active listening skills.
- Write clearly.
- Find and interpret information.
- Apply learned knowledge to new situations.
- Apply principles of scientific reasoning to solve problems.
- Demonstrate respect for a diversity of ideas and the rights of others.
- Exhibit personal, professional, and academic honesty.
- Demonstrate etiquette in face-to-face and written interactions.
- Work effectively within group settings.
- Utilize technology to organize and present information.
- Demonstrate working knowledge of basic computer functions.
- Accept responsibility for own actions.

Grades:

Class Work	Points	Grades	Points
Test 4 X 100 =	400	A	900-1000
Assignments	150	B	800-899
Outlines 12 X 12.5 =	150	C	700-799
Journal	100	D	600-699
Paper	150	F*	0-599
(Plus Lab Grade)			
Notebook	50		
TOTAL	1000		
101 Field Trip Credit	100		
Assigned Extra Credit	20/		

\* **MAY BE EARNED BY:**  
**1. LOW POINTS**  
**2. INFORMAL**  
**DROPOUT**

**Journal**

1. The Journal will be on any subject found in the textbook's Table of Contents or Table of Index.
2. The Journal will have 28 entries gathered over the 16 weeks of class.
3. The entries may come from any of the following sources:
  1. TV: News or special program
  2. Radio: News or special program
  3. Internet: News pages, Current Event pages, and sites of current special interests
  4. Current News Papers, Magazines, or Periodicals
  5. All entries will be briefly summarized. Short entries from the internet, newspapers or magazines will accompany the summary. Long articles need only be summarized. TV and Radio entries will contain, as with the other entries; Source, Date, Time, etc..
6. The Journal shall be within the Notebook due at the time of the Final.

## Tests

1. The tests will be on class discussion, assigned reading.
2. The test will be approximately 50% true/false and 50% multiple choice questions.
3. Test will begin on time and so shall you.
4. Read the test through first **BEFORE** starting the test for questions of clarity.
5. Tests will be graded in class.

## Reading Assignments

1. Read the textbook.
2. Read and outline the chapters that are assigned for class discussion and be ready to discuss their content and ask or answer topical questions.
3. The class discussion outlined chapters are to be turned in as part of the notebook due at the time of the Final. **NO** late outlines will be accepted.
4. The outlines will be typed. They will follow the following form:

### Chapter Title

- I. Main Topic
  - A. Sub-topic
    - 1. Sub-topic points
      - a. Sub-topic-sub-topics
      - b. Etc.
    - 2. Etc.
  - B. Sub-topic
- II. New Topic
  - A. Sub-topic
    - 1. Sub-topic points
    - 2. Etc.
  - B. Sub-topic

Use summarizing phrases in each heading/sub-heading of the outline. You should be able to reconstruct the chapter from outline in your own words, if required.

## Paper

Your paper will consist of a 2-5 page, internet research paper on any topic related to the class. You may use the -- <http://web.dreamsoft.com/earth/>, as a starting point. Write in your own words a report of what you found in no less than two or more than five pages typed, double spaced no larger than 12 point font. You are to cite your sources at the end of the paper. The least amount of sites used is 20 and the least amount of sources is 20. You may include pictures, charts, and/or graphs to illustrate your report, **but they may not substitute for text**. On line citations=Last Name, First. Date. *Title*. [On-line] Available: <http://www.xxx.com/xxxxx/XXX/zzzz.htm> ----. The paper is due on the day of the final.

## Field Trips

Field trips are most rewarding. Take notes at the site. Then type at least two and not more than three full pages describing your trip and be sure to include technical details on the scientific information. Do assigned materials. Label your photographs clearly. The report must be typed.

## Survival

1. It has been shown that people who work in groups usually do better in school. Form a group with students that you know or meet in class.
2. Email me or come and see me if you have questions.
3. To ensure a good grade in this class, I suggest that you read the text before coming to lecture and take notes during lecture.
4. When you study, do so actively. Make flash cards of new words and use them. Try explaining the material to a friend or family member. This helps more than you realize. Very important **-practice the complex diagrams that I draw on the board.**
5. Failure to put your name on all sheets of paper submitted will lose you 1 point per sheet unless it is securely fastened in a folder. This is a must for all group members. Be sure your name is on the folder or title sheet when you submit a folder.
6. Missing the field trip or not doing the paper will cost you points. Be sure you note the deadlines in the schedule. You must do these assignments!
7. Failure to attend the field trip that you sign up for will lose you 60 points.
8. If I can not read your work or name, I can not give you the points that you have earned.
9. Cheaters will fail the class. This includes plagiarizing. I will also file a formal report with the administration. Three such reports will earn a student a suspension. There are no acceptable excuses!
10. If you want to drop the class do so **formally**. ***IF YOU DO NOT, I WILL FAIL YOU.***
11. There will be no extensions to deadlines beyond the end of the semester unless approved by the instructor. Deadlines are called that if you do not meet them you are **DEAD!!!**
12. Turn off all cell phones, pagers or any electronic non-essential electronic devices. If they sound you loose and I WILL embarrass you.

## LECTURE ASSIGNMENTS

Week	Reading Assignment	Test	Other Assignments	
1	Chp. 1		Outlines	Paper/Journals
2	Chp. 2		Outlines	Paper/Journals
3	Chp. 3	Test 1	Outlines	Paper/Journals
4	Chp. 4		Outlines	Paper/Journals
5	Chp. 5		Outlines	Paper/Journals
6	Chp. 6	Test 2	Outlines	Paper/Journals
7	Chp. 7		Outlines	Paper/Journals
8	Chp. 8		Outlines	Paper/Journals
9	Chp. 17	Test 3	Outlines	Paper/Journals
10	Chp. 15		Outlines	Paper/Journals
11	Chp. 16		Outlines	Paper/Journals
12	Chp. 18		Outlines	Paper/Journals
13	Chp. 19		Outlines	Paper/Journals
14	Chp.	Test 4		
15	Chp.			
16		Test ?	Outlines, Paper, Journals Due	

## LABORATORY ASSIGNMENTS

Week	Assignments	Tests		
1	Metric System		METRIC VIDEO MINERAL VIDEO	
2	Minerals			
3	Minerals			
4	Minerals			
5	Igneous Rx	Mineral Test	VOLCANO VIDEOS	
6	Igneous Rx			
7	Igneous Rx			
8	Sedimentary Rx		EARTH HISTORY VIDEO	
9	Sedimentary Rx			
10	Sedimentary Rx			
11	Metamorphic Rx			
12	Metamorphic Rx			
13	Topo Maps	Rock Test		
14	Topo Maps			
15				
16		Test ?		