

**GEOLOGY OF PLANET EARTH LAB**  
(GEOL 102 L Hybrid)  
**Spring 2012**

**Instructor:** Shahid Ramzan

**Office:** LO 1224

**Office Hours:** Monday 9-11:00 am or by appointment

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**Meeting time:** Monday 5- 7:45pm

**Meeting place:** EH 2028

**Required textbook:** Laboratory Manual in Physical Geology, 9<sup>th</sup> edition, by Richard M. Busch

**Additional materials:** Calculator, pencil, ruler

**SYLLABUS**

**COURSE OBJECTIVES**

The Geology of Planet Earth 102 lab complements the Geology of Planet Earth 101 lecture. You will be able to take the ideas and concepts from the lecture and apply them to lab exercises. Geology is a part of your everyday life and so much of the geological processes and features go unnoticed. Hopefully you will walk away from this class with a better understanding of your natural surroundings.

**COURSE REQUIREMENTS**

You must have an access to a computer and the internet for this class. Course materials, lab assignments and class announcements will be posted on Moodle You should check the class Moodle page often. It will be **YOUR responsibility to print out the lab assignment prior to each class.**

**Grading**

Your grade in this class will be based on the quality of your completed lab assignments, quizzes, attendance, participation, and lab final.

**Labs (50 points each):** You are responsible for reading through each lab prior to class. There will be one or more labs per class. If two lab activities are assigned on one day, they will be graded as one. The in class labs will be due at the end of each class. All labs will be completed in groups of 2 to 4 students. One lab will be turned in for each group. If you disagree with an answer(s) the group wishes to submit, you may include your own answer(s) on the lab and be graded on it separately from your group. A few of the labs are on Moodle; these labs are to be submitted as directed on the lab. Labs to be submitted online will not be accepted late unless there is a **VERY** extenuating circumstance. **There are no make-ups for missed labs** (in class or on Moodle); however, your lowest lab will be dropped.

**Quizzes (10 points each):** All quizzes will be on Moodle, they will be available the morning they are scheduled (see Lab Schedule below), and will close at 4:45 pm on every Monday. The quizzes will consist of 10 questions. You will be allotted 20 minutes for each quiz, and you will have 1 attempt. These are open book/note quizzes. **There are no make-ups on quizzes.**

**Final (150 points):** The final will be a cumulative test on topics covered in this lab.

**Grading Scale**

A (>92%)	B+ (88-89%)	C+ (78-79%)	D+ (68-69%)
A- (90-91%)	B (82-87%)	C (72-77%)	D (62-67%)
	B- (80-81%)	C- (70-71%)	D- (60-61%)
			F (<59%)

**I do not give “incompletes” for grades. No exceptions.** If you choose to drop, it is your responsibility to **FORMALLY WITHDRAW** from the class following the university procedures and deadlines (**Last day to drop a class in spring 2012: February 17**). I will not drop the class for you.

## GEOL 102 LAB SCHEDULE

Date	Topic	Lab #	
January 23	Syllabus review and class introduction		in class
January 30	Observing & Measuring Earth Materials & Processes	1	in class
February 6	Plate Tectonics & the Origin of Magma	2	in class
February 13	Mineral Properties, Uses, ID	3	in class
February 20	Rock-Forming Processes & the Rock Cycle / Igneous Rocks & Volcanic Hazards	4 & 5	in class
February 27	Sedimentary Rocks, Processes, & Environments/ Metamorphic Rocks, Processes and Resources	6 & 7	in class
March 5	Dating of Rocks, Fossils, & Geologic Events	8	in class
March 12	Topographic Maps, Aerial Photographs, & Satellite Images	9	in class
March 19	Geological Structures, Maps, & Block Diagrams	10	in class
March 26	Stream Processes / Groundwater	11 & 12	Moodle
April 2	NO CLASS - SPRING BREAK		
April 9	Glacial Processes, Landforms, & Indicators of Climate Change	13	Moodle
April 16	Dryland Landforms, Hazards, & Risks	14	Moodle
April 23	Coastal Processes, Landforms, Hazards, & Risks	15	Moodle
April 30	Earthquake Hazards & Human Risks	16	in class
May 7	FINAL EXAM		in class

**\*Schedule subject to change.**

### 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). **If I find any evidence of academic dishonesty, it will result in a failing grade for the class 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 cell phones and other electronic devices (iPods, MP3 players, etc...) are not permitted in class. Please do not bring food into the class, you may bring drinks into class, but please be careful. 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 of your lab whether you are finished or not. This lab will be graded as is and docked a full grade.