

University of Puerto Rico  
Mayagüez Campus  
College of Art and Sciences  
Department of Geology

**Geol 3047L Syllabus**  
**1<sup>st</sup> Semester 2016 - 2017**

**Codification:** GEOL 3047L

**Course Title:** Introductory Geology Laboratory

**Section:** Mon- 050/Thursday- 067

**Laboratory time schedule:** 11:30AM – 2:20PM/12:30 PM – 3:20 PM

**I. General Information**

Instructor: Claudia I. Roig

Office: F-417C

Office hours: Tue & Wed 2:00 PM – 3:30 PM

Dept. Phone: (787) 265-3845

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**II. Course Description**

Introduction to the use and interpretation of topographic and geologic maps, and aerial photographs. Training in identification of common minerals, rocks and fossils. Development of skills for the interpretation of geologic structures.

Text: Physical Geology *Laboratory Text and Manual* Sixth Edition

Author: R.D. Dallmeyer Publisher: Kendal/Hunt

Available at: Librería Universal

**III. Objectives**

Introduce the student to the practical application of geologic ideas. By the end of the course the student should know how to recognize common minerals and rocks in hand specimen, understand geologic time, the basic principles of stratigraphy, structural geology, geomorphology, and understand topographic and geologic maps.

**IV. Requirements**

**Arriving on time** at the laboratory is mandatory. Attendance to the lab is **compulsory**. Students who miss more than three laboratories without a valid written excuse will be assigned a grade of **F** for the lab. Since both tests require the setup of minerals, rocks and maps, **no make-up tests will be given under any circumstances**. The use of **cellular phones in the lab is not allowed**. Please turn them off as soon as you enter the laboratory.

#### IV. Evaluation

Grades will be based on:

Mid Term examination	25%
Final Examination (Partial)	25%
14 Laboratories (Assistance and work in the lab. 100%)	30%
Island Project	<u>20%</u>
	100%

#### V. Schedule

<b>Date (050/067)</b>	<b>Laboratory</b>	<b>Exercise</b>
<b>Aug 15/18</b>	Minerals	<b>1, 2</b>
<b>Aug 22/25</b>	Rocks / Igneous Rocks	<b>3, 4</b>
<b>Aug 29/Sept 1</b>	Weathering / Sedimentary Rocks	<b>5, 6</b>
<b>Sept 12/8</b>	Metamorphic rocks / Geologic Time	<b>7, 22</b>
<b>Sept 19/15</b>	Fossils and Fossilization	-----
<b>Sept 26/20</b>	Topographic Maps ( <i>Island Project Assigned</i> )	<b>8</b>
<b>Oct TBA</b>	<b>MIDTERM TEST</b>	-----
<b>Oct 12/6</b>	Rivers	<b>9, 10</b>
<b>Oct 17/13</b>	Landscape evolution	<b>11, 12</b>
<b>Oct 24/27</b>	Groundwater / Environmental	<b>13, 24</b>
<b>Oct 31/Nov 3</b>	Shorelines and Aeolian Processes	<b>16, 14</b>
<b>Nov 14/10</b>	Structural Geology ( <i>Island Project Due</i> )	<b>18, 19</b>
<b>Nov 21/17</b>	Geologic Time / Hazards 1	<b>22, 23</b>
<b>Nov 28/Dec 1</b>	Volcanic Landforms / Hazards 2	<b>17, 23</b>
<b>Dec 5/8</b>	Ocean Floor / Hazards 3	<b>20, 23</b>
<b>Dec TBA</b>	<b>Final (Partial) Test</b>	<b>8-14, 16-20, 22-23</b>

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I, \_\_\_\_\_, student number, \_\_\_\_\_, registered in  
GEOL 3047L: Introductory Geology Laboratory, section \_\_\_\_\_ agree to the following:

1. I received a copy of the syllabus and understand the requirements of the course.
2. **Arriving on time** at the beginning of the laboratory is required.
3. Attendance to the lab is **compulsory**.
4. Students who are absent to more than three laboratories without a valid written excuse will be assigned a grade of **F** for the lab.
5. No Make up Exams are possible because the test requires setup of minerals and rocks !
6. The use of **cellular phones is not allowed during the lab period**. Please turn them off as soon as you enter the lab.

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date