



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

**GEOL 3025**  
 Sec. 080, 3 crds  
**M-W-F: 2:30-3:20pm**  
**Location: F-C**

Asst. Prof. Vionette De Choudens Sanchez  
 F-404, (787) 832-4040 Ext. 3587  
*Office Hours:*  
 M & W: 3:30-5:00pm T: 2:00-5:00pm  
**e-mail:** [vionette1@gmail.com](mailto:vionette1@gmail.com)

Text Book: **Earth: An Introduction to Physical  
 Geology, 10<sup>th</sup> Ed.**  
 Author: Tarbuck & Lutgens  
 Editorial House: Prentice Hall

### Course Syllabus

**Course Description:** Introduction to the study of the earth. The structure, composition, and tectonics of the lithosphere; the interaction of the hydrosphere and atmosphere with the lithosphere, the earth in relation to the solar system.

**Course Objectives:** To gain understanding of the processes that shape the earth, the products formed by them, the science of Geology and how Geology relates not only the human experience but to society in general.

**Pre/Co-requisites:** None

**Requirements:**

All students are expected to:

- (1) Attend class all the time and on time.
- (2) Be prepared to participate in class.
- (3) Complete all assigned readings and homework to prepare for weekly quizzes.
- (4) **Sign up** and create an account with **Top Hat**. Top Hat will be use to keep attendance, take quizzes, complete assignments, keep track of class participation and posting class power point slides.
- (5) Pass all tests to receive credit for the course.

**Tentative Course Time Frame and Thematic Outline**

Week	Date	Topic	Reading/Reference
1	M: 15 Aug W: 17 Aug F: 19 Aug	Syllabus/Introduction Plate Tectonics Plate Tectonics	Chapter 1 Chapter 2 Chapter 2
2	M: 22 Aug W: 24 Aug F: 26 Aug	Matter & Minerals Matter & Minerals Matter & Minerals	Chapter 3 Chapter 3 Chapter 3

3	M: 29 Aug W: 31 Aug F: 2 Sep	Igneous Rocks Igneous Rocks Volcanoes	Chapter 4 Chapter 4 Chapter 5
4	M: 5 Sep W: 7 Sep F: 9 Sep	<b>No Classes – Holiday/Labor Day</b> Volcanoes <b>Exam #1 -----</b>	Chapter 5 <b>Exam Chapter (1-5)</b>
5	M: 12 Sep W: 14 Sep F: 16 Sep	Weathering Weathering Sedimentary Rocks	Chapter 6 Chapter 6 Chapter 7
6	M: 19 Sep W: 21 Sep Th: 22 Sep F: 23 Sep	Sedimentary Rocks Sedimentary rocks <u>Geologic Time (Friday Classes Meet)</u> <b>No Classes – RUM Anniversary</b>	Chapter 7 Chapter 7 <u>Chapter 9</u>
7	M: 26 Sep W: 28 Sep F: 30 Sep	Geologic Time Geologic Time Metamorphic Rocks	Chapter 9 Chapter 9 Chapter 8
8	M: 3 Oct W: 5 Oct F: 7 Oct	Metamorphic Rocks Crustal Deformation Crustal Deformation	Chapter 8 Chapter 10 Chapter 10
9	M: 10 Oct W: 12 Oct F: 14 Oct	<b>No Classes – Dia de la Raza</b> Earthquakes <b>Exam #2 -----</b>	Chapter 11 <b>Exam Chapters (6-10)</b>
10	M: 17 Oct W: 19 Oct Th: 20 Oct F: 21 Oct	Earthquakes Earth Interior <u>Div. &amp; Conv. Margins (Friday Classes Meet)</u> <b>No Classes – Academic Recess</b>	Chapter 11 Chapter 12 <u>Chapter 13 &amp; 14</u>
11	M: 24 Oct W: 26 Oct F: 28 Oct	Divergent & Convergent Margins Divergent & Convergent Margins Mass Wasting	Chapter 13 & 14 Chapter 13 & 14 Chapter 15
12	M: 31 Oct W: 2 Nov F: 4 Nov	Mass Wasting Mass Wasting Running Water	Chapter 15 Chapter 15 Chapter 16
13	M: 7 Nov W: 9 Nov F: 11 Nov	<b>No Classes - Election</b> Movie and Written Assignment <b>No Classes – Veterans Day</b>	
14	M: 14 Nov W: 16 Nov F: 18 Nov	Running Water ( <i>Nov 15 – último día para bajas parciales</i> ) Running Water Ground Water	Chapter 16 Chapter 16 Chapter 17
15	M: 21 Nov W: 23 Nov F: 25 Nov	<b>Exam #3-----</b> Ground Water <b>No Classes – Thanks Giving</b>	<b>Exam Chapters (11-16)</b> Chapter 17
16	M: 28 Nov W: 30 Nov F: 2 Dec	Glaciers Glaciers Deserts and Shorelines	Chapter 18 Chapter 18 Chapters 19 & 20
17	M: 5 Dec W: 7 Dec F: 9 Dec	Deserts and Shorelines Deserts and Shorelines (final lecture) <b>Review Period</b>	Chapters 19 & 20 Chapters 19 & 20
18	8-16 Dec	<b>Final Exam</b>	

**\*The professor may be absent some days but another professor or a graduate student will be present to cover the material or show a movie related with the discussion topic. Attendance will be taken and the students will be responsible for the material.**

**\*En ocasiones el Profesor estará ausente, pero habrá clase con otro profesor o estudiante graduado. Se pasará lista y los estudiantes del curso serán responsables del material y de prestar atención a la/s película/s.**

## 9. Grading System

Quantifiable (letters)

Standard Curve:	100 – 90	A
	89 – 80	B
	79 – 65	C
	64 – 55	D
	54 –	F

## 10. Evaluation Strategies (Tentative)

<u>Grades</u>	<u>Points</u>
Three exams*	300
Final exam	100
Weekly Quizzes & Assignments**	<u>100</u>
<b>Total</b> (No extra credit)	<b>500</b>

*\*Exams will be given during class hours.*

*\*\* Only the top 10 Quizzes will count towards the grade. Quizzes and assignments will be given using **Top Hat**. There will be no make-up quizzes or assignments*

## 11. Tentative Examination Schedule:

Exam #1	Friday, September 9 <sup>th</sup>
Exam #2	Friday, October 14 <sup>th</sup>
Exam #3	Monday, November 21 <sup>st</sup>
Final	To be announced

## 12. Bibliography

*Required text:* Earth, 10<sup>th</sup> Edition (by Tarbuck & Lutgens)

*Class notes:*

- Lectures will be given in Spanish and English
- Lectures will be available in the web page of the Department of Geology **one week before** the test in the professor site.
  - Go to web site of the Dept. of Geology, inside Faculty & Staff – Vionette De Choudens Sanchez.
- When the power point presentations are posted, they will be at: **Class Site in Top Hat**

### 13. Regulations and Policies:

- **Class attendance** is compulsory. The University of Puerto Rico, Mayagüez Campus, reserves the right to deal at any time with individual cases of non-attendance. Professors are expected to record the absences of their students. Frequent absences affect the final grade, and may even result in total loss of credits. Arranging to make up work missed because of legitimate class absence is the responsibility of the student and should be done with time (Bulletin of Information Undergraduate Studies).

- **Absence from examinations:** Students are required to attend all examinations. If a student is absent from an examination for a justifiable reason the student needs to contact the professor immediately in order to make the proper arrangements to make-up the missing examination. Otherwise, he or she will receive a grade of zero or "F" in the missed examination. Please refer to the Bulletin of Information Undergraduate Studies.

- **Excuses from class or examinations:** ONLY WRITTEN EXCUSES WILL BE ACCEPTED

- **Make-Up Test Policy:** If a student is absent from an examination, he/she will have the opportunity to take a make-up test only when he/she provides an acceptable written excuse. The **make-up test will take place during the final exam period**. This means the students will take both the Final and the make-up test on the same day. There will be *no make-up quizzes or assignments*. **There will be no exceptions to this policy.**

- **Policies on electronic devices:** Tape recorders or other audio equipment are not permitted in the classroom. Cell phones should be in silent mode during classes, Students are not allowed to talk or send messages with cell phones or another electronic device during class.

- **Cheating:** Cooperative work is not permitted on the quizzes or examinations. Cheating will be dealt with harshly. *All instances of cheating on examinations will be immediately reported to the Dean of Arts and Sciences for review.* There will be no exceptions to this policy.

\* **Advice from the professor:** Please come to class each time. The three hours per week in this class are less than 2% of your time. No matter what you do in life, this class will help you understand the world around you. You need to buy the book. You need to read the book. You need to ask questions, talk to your classmates.

### 14. According to Law 51

Students with disabilities will identify themselves with the Institution and the instructor of the course for purposes of assessment (exams) accommodations. For more information, please call the Student with Disabilities Office, which is part of the Dean of Students office (Chemistry Building, room 019) at (787)265-3862 or (787)832-4040 extensions 3250 or 3258.