

GY 111L-106: Physical Geology Lab

Fall 2008

Scheduled: W: 3:30 PM to 5:20 PM

Your Host: Dr. Doug Haywick

<http://www.southalabama.edu/geology/haywick>

Objectives: The subject matter examined in the course covers the basics of physical geology: the chemistry and properties of minerals, the composition of igneous, sedimentary and metamorphic rocks and the primary earth processes responsible for rock deformation. Topics covered are itemised below. If all goes as planned, upon completion of this course, students will 1) be able to identify common rocks and minerals; 2) be able to interpret geological maps and 3) understand major theories of Earth sciences (including plate tectonics). Please note that this is a tentative schedule and the management reserves the right to change some of the material in the event of unforeseen circumstances. You are expected to keep up with the reading prescribed for each week. GY 111 is the first of 2 introductory courses in geology. GY 111 is a required co-requisite.

TENTATIVE LECTURE GAME PLAN (subject to revision)

Week 1 (Aug 20) INTRODUCTION (Lab Manual Chapter 1)

Lab: Intro to Minerals. Note: essentially be a 1 ½ “get-to-know-the-minerals” lecture

Week 2 (Aug 27) MINERALS (Lab Manual Chapter 1)

Lab: Study minerals without answer key

Week 3 (Sept 3) MINERALS (Lab Manual Chapter 1)

Lab: Study minerals with answer key

Week 4 (Sept 10) MINERAL EXAM

Week 5 (Sept 17): IGNEOUS ROCKS (Lab Manual Chapter 2)

Lab: Intro to Igneous Rocks; Study rocks without answer key

Week 6 (Sept 24) IGNEOUS ROCKS (Lab Manual Chapter 2)

Lab: Study rocks with answer key

Week 7 (Oct 1) IGNEOUS ROCKS EXAM

Week 8 (Oct 8) SEDIMENT (Lab Manual Chapter 3)

Lab: Sediment analysis exercises

Week 9 (Oct 15) SEDIMENTARY ROCKS (Lab Manual Chapter 3)

Lab: Intro to Sedimentary Rocks; Study rocks without answer key

Week 10 (Oct 22) SEDIMENTARY ROCKS (Lab Manual Chapter 3)

Lab: Study rocks with answer key

Week 11 (Oct 29) SEDIMENTARY ROCKS EXAM

Week 12 (Nov 5) METAMORPHIC ROCKS (Lab Manual Chapter 4)

Lab: Study rocks without answer key

Week 13 (Nov 12) METAMORPHIC ROCKS (Lab Manual Chapter 4)

Lab: Study rocks with answer key

Week 14 (Nov 19) METAMORPHIC ROCK EXAM

Week 15 (Nov 26) NO LAB

Reasonably useful information:

Text book (reference): Levin, H.L., 2005. The Earth Through Time (8th edition). Saunders College Pub., Forth Worth TX, 563+p

Lab Manual (required) : Haywick, D.W., Yokel, L. and Connors, J. 2001: Earth History: an introductory laboratory manual for students in GY 112. University of South Alabama **(on line)**.

Assessment:

Attendance	10%
Mineral Quiz.....	20%
Igneous Rocks Quiz.....	20%
Sedimentary Rock Quiz.....	20%
Metamorphic Rock Quiz.....	20%
Lab book.....	.05%
Lab Assignments.....	<u>.05%</u>
	100%

Grading: A - 90+ B - 80 to 89 C - 70 to 79 D - 60 to 69 F - 59 and below

Laboratories: It is up to you to examine the rocks and minerals that are assigned in this course and to do all additional laboratory assignments. You may do this during the lab periods and/or outside of normal university hours. (The room is left unlocked during normal business hours). **Everything you are assigned in the labs is testable on the lab exams.**

Missed quizzes\assignment due dates: The reason for producing a syllabus is to give students advanced notice of exams and assignment due dates. **Translation:** there is no excuse for missing exams or turning in late assignments. As such you will receive an F if you do not turn in your assignments by the due date. If you have a legitimate excuse for missing a quiz (i.e. medical problem), you will be permitted to do a make-up during the last week of classes provided that you show me a signed certificate from a medical doctor stating that it was impossible for you to make the quiz. Lab assignments are due at the start of the following lab period. Late assignments are not accepted unless there is a legitimate medical excuse.

Plagiarism and cheating: Neither are permitted in this class. In fact, either of them will result in severe embarrassment to you and quite possibly an F for the assignment or exam in question if you are caught doing them. If you are unsure of what constitutes plagiarism or cheating, talk to me. This will be your only warning.

**Attendance:* It seems that a good number of people who take courses feel they do not have to attend the lectures and labs. Nothing could be further from the truth. Much of the material we will discuss will not be covered in the text book and if you miss the lab lectures, you will miss this material. Attendance is mandatory and assessable in GY 111L. I will dock you if you have more than 2 unexcused absences in this class (approximately 10% of the labs). If you have 4 or more unexcused absences (approximately 20% of the labs) you will receive 0% for attendance. Note: I will base your attendance on the class role I record at the start of the class. If you missed the role because you were late, it is up to you to notify me before the end of the class. If your name is not on that roll, you will be marked absent. There will be no exceptions to this attendance policy.

Disability disclaimer: In accordance with the Americans with Disabilities Act, students with bona fide disabilities will be afforded reasonable accommodation. The Office of Special Student Services will certify a disability and advise faculty members of reasonable accommodations. If you have a specific disability that qualifies you for academic accommodations, please notify me, the instructor/professor, and provide certification from Disability Services (Office of Special Student Services). The Office of Special Student Services is directed by Ms. Bernita Pulmas and is located in the Student Center, room 270. The phone number is (251) 460-7212.

Changes in Course Requirements: Since all classes do not progress at the same rate, instructors may wish to change the number and frequency of exams, or the number and sequence of assignments. Inclement weather (e.g., hurricanes) may also force rescheduling of lectures, assignments or exams. When ever possible, this material will be made up. Students will be given adequate written notice of any changes in lecture sequence, assignment due dates and/or exam date changes.

D. Haywick Contact Information and Schedule

How & where to find Doug: I reside in LSCB room 049. I believe in open office hours, so feel free to pay me a visit anytime between 9:00 am & 5:00 pm (except on my research days!). However, I will generally be in my office during the times posted on my schedule. Should you be unsuccessful in your attempts to find me, fear not! You have two options: 1) check the Where's Doug note on my door for my location during normal office hours, or 2) leave a message for me:

Telephone: 460-7569 (Haywick's office – you can leave a message).

E-mail: dhaywick@jaguar1.usouthal.edu

internet: <http://www.southalabama.edu/geology/haywick>

D. Haywick Hours (Fall 2008 Semester)

Time	Monday	Wednesday	Friday
7:00-7:50			
8:00-8:50			
9:05-9:55	Office	Office	
10:10-11:00	GY 305* (LSCB 337)	GY 305* (LSCB 337)	Office
11:15-12:05	GY111-102 (LSCB 335)	GY111-102 (LSCB 335)	GY111-102 (LSCB 335)
12:20-1:10			Office
1:25-2:15	Office	Office	
2:30-3:20	Reserved for GY Majors and special topics	GY111L-106 (LSCB 335)	
3:35-4:25			

Time	Tuesday	Thursday
8:00-9:15	Office	Office
9:30-10:45		
11:00-12:15	GY 302 (LSCB 337)	GY 302 (LSCB 337)
12:30-1:45		
2:00-3:15	GY 302 Lab (LSCB 337)	GY 305 Lab* (LSCB 337) ends 4:00 pm
3:15-4:50		

* Haywick teaches his component of GY 305 in the first part of the semester

Note: shaded areas are research\committee\personal times: STAY AWAY!



Please turn off all beepers and cellular phones before you enter the classroom. I hate those noisy things and they can really be an embarrassment to you when they go off. (The embarrassment comes primarily from the tennis balls I throw in your direction)