

GY 112/112L: Earth History (Accelerated)

Summer 2009

Lectures M to F: 10:20 am – 12:15 pm; Labs M,W,F: 12:40-2:35 pm

Your Host: Dr. Doug Haywick

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

Objectives: The subject matter examined in the course covers basic aspects of earth history, and the objectives of the course are to provide students with a general understanding of this discipline. The course will focus on the origin of the solar system and the planet earth, the origin of oceans, atmosphere and life and paleontology. Specific topics covered are itemized below. You are expected to keep up with the reading prescribed for each week.

TENTATIVE LECTURE GAME PLAN (subject to revision)

Week 1 ORIGINS & GEOLOGICAL THINKING

Lect 1 (Tues June 23): Origins (1, 3)

Lect 2: (Wed June 24): Geological thinking, Stratigraphy, and Geological time (4, 6); **Quiz**

Lab 1: Sedimentary Rocks

Lect 3: (Thurs June 25): Dating (7, 8) *Radiometric Dating Assignment*; **Quiz**

Lect 4: (Friday June 26): Significance of fossils (9, 10, 11);

Lab 2: Sequences of events

Week 2 ARCHEAN GEOLOGY

Lect 1: Fossil classification and preservation (12, 13)

Lab 3: Stratigraphy

Lect 2: Evolution (14, 15) **Quiz**

Lect 3: Lecture 1 and Lab 1 exams

Lab 4: Fossil preservation

Lect 4: Archean Geology & Evolution of the Atmosphere (16, 17) **Quiz**

Lect 5: July 4th Holiday

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Week 3 PROTEROZOIC AND PHANEROZOIC GEOLOGY

Lect 1: Proterozoic tectonics (18, 19)

Lab 6: Lab exam 2 followed by Paleozoic Fossils 1

Lect 2: Proterozoic fossils and climate (20, 21) **Quiz**

Lect 3: Paleozoic geology 1 (22, 23, 24)

Lab 7: Paleozoic Fossils 2

Lect 4: Paleozoic geology 2 (25, 26) **Quiz**

Lect 5: Important Paleozoic fossil groups (27, 28, 29)

Lab 8: Paleozoic Fossils 3

Week 4 PHANEROZOIC GEOLOGY

Lect 1: **Lecture test 2** followed by Mesozoic Geology 1 (30)

Lab 9: Mesozoic Fossils 1

Lect 2: Mesozoic Geology 2 (31, 32) **Quiz**

Lect 3: Cenozoic Geology 1 (33, 34, 35)

Lab 10: Mesozoic Fossils 2

Lect 4: Cenozoic Tectonics (36) **Quiz**

Lect 5: Cenozoic Climate (37)

Lab 11: Cenozoic fossils

Week 5 THE END

Lect 1: 30 minute review time followed by **Final Lab test 3**

Final Lecture Exam: Thursday July 23th: 10:30-12:30 pm

Numbers in parentheses after each lecture refer to the lectures numbers on the GY 112 (Summer) website.
Week numbers in parentheses after each lab refer to the lab exercises on the GY 112 (Summer) website.

Reasonably useful information:

<i>Assessment GY 112</i>	Attendance*.....	..10%
	Quizzes	25%
	Lecture Test 1.....	.10%
	Lecture Test 2.....	20%
	Final Exam.....	<u>.25%</u>
		100%

<i>Assessment GY 112L</i>	Attendance*.....	..10%
	Lab Test 1.....	15%
	Lab Test 2.....	15%
	Lab Test 3.....	.25%
	Lab Assignments.....	<u>.35%</u>
		100%

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

Laboratories: Available from the class website. It is up to you to examine the rocks and minerals that are assigned in this course and to do the assigned laboratory assignments. You may do this during the lab periods and/or outside of normal university hours. **Everything assigned in the labs is testable on the lab exams.**

Missed exams\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 assignments in late. 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 an exam (i.e. medical problem), you will be permitted to write 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 exam. The make up exam will consist of 2 essay questions (i.e. no easy stuff like multiple choice questions). Lab assignments are **due no later than 4:00 PM each lab day** (Monday, Wednesday, Friday). Late assignments are not accepted unless there is a legitimate medical excuse.

The fine print: Plagiarism and cheating are not 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 or the 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 lectures, you will miss this material. Attendance is mandatory and assessable in GY 112\112L and is worth 10% of your mark for each component. I will dock you if you miss more than 2 lectures/labs absences (approximately 10% of the lectures/labs). If you have 4 or more total unexcused absences (approximately 20% of the lectures/labs) you will receive 0% for attendance. **If you miss more than 6 lectures/labs, I will drop your final grade an additional 10%. Note: I will base your attendance on the class role I record or read at the start of the class/lab. 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: The University of South Alabama provides reasonable accommodations to qualified individuals with disabilities. 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 and provide certification from Disability Services (Office of Special Student Services). The Office of Special Student Services is directed by Ms. Andrea Agnew 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.



Notes

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 whenever you want, but since it is the summer, don't expect me to always be in my office. I will, however, be in my office at the times indicated in the schedule below. 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 (my office – you can leave a message).

e-mail: dhaywick@jaguar1.usouthal.edu

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

Summer 2009 Semester (D. Haywick Hours)

Second Term

Time	Monday	Tuesday	Wednesday	Thursday	Friday
8:00-8:55 AM					
9:10-10:00 AM					
10:20AM-11:15 PM	GY 112 Lecture 1	GY 112 Lecture 1	GY 112 Lecture 1	GY 112 Lecture 1	GY 112 Lecture 1
	<i>5 min break</i>	<i>5 min break</i>	<i>5 min break</i>	<i>5 min break</i>	<i>5 min break</i>
11:20AM-12:15 PM	GY 112 Lecture 2	GY 112 Lecture 2	GY 112 Lecture 2	GY 112 Lecture 2	GY 112 Lecture 2
12:40-2:35 PM	GY 112 Lab 1	Office	GY 112 Lab 2	Office	GY 112 Lab 3
2:35 -3:30 PM		Office	Office	Office	

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