

# COURSE OUTLINE

## Geology 101 – Physical Geology, Section 003

### Spring 2009

Instructor: Dr. Frank Syms                      Lecture: 6:00PM-7:30 Monday, Wednesday  
Office SBDG 212                                      Lab: 7:30PM-8:30 Monday, Wednesday  
Office Hours 8:00PM Monday, Wednesday (or by appointment)  
Phone: (706) 722-7301                              Credits: 4  
Email: syms@lettis.com

Text: EARTH: Introduction to Physical Geology, 9<sup>th</sup> Edition, Tarbuck and Lutgens

#### Class Objectives and Information

Geology is both an applied, as well as research science. Elements of biology, chemistry, mathematics and physics are required to understand earth concepts. The course will be taught through lectures and related laboratory exercises. Lectures will cover information and concepts from the text. Laboratory exercises will stress the application of geological problem solving and will be held periodically to reinforce specific concepts. The exercises are self-paced and you are encouraged to work in groups. There are **no makeup labs**. Generally, there is no outside work required for this course except for reading the section pertinent to the lecture. **You will be expected to read about the information presented in class and listed on this syllabus. Expect exam questions from the text as well as lab exercises.**

***Please! Turn off cell phones and pagers during class.***

#### Field Trips

It is important to see geology in the field and examine the rocks, sediments and structures first hand so field trips will be a part of this course. Due to the late meeting time, the trip(s) will be scheduled early in the semester because of the length of daylight. Dress for outdoor activities and according to the weather. All field trips involve walking!

Good writing and communication is valued in this course and critical to you presenting yourself as an educated person. You **must** use correct spelling and grammar in your reports. All USCA computers have a grammar and spell check option in Word.

#### Project

Each student is required to complete a class project. Nothing fancy is required. The intent is simply to make a observation of geologic significance that you can relate to something you learned from this course. Any format is fine. You are encouraged to discuss your ideas with me. Projects can be handed in up to the date of the final.

#### Testing and Grading

There will be two lab quizzes, three exams and a final exam. The final exam will be comprehensive. All exams will be multiple choice, true/false, label the figure and short answer. Your participation in the lecture and lab exercises will also count toward your grade. Your objective is to earn as many points as possible.

Lab Quiz (2)	=	100 points
3 exams	=	150 points
Project	=	50 points
Final exam	=	100 points

TOTAL = 400 points

Letter Grade Ranges: A = 400-360, B+ = 359-340, B = 339-320, C+ = 319-300, C = 299-280, D+ = 279-260, D = 259-40, F=239 or less.

If you have a physical, psychological, and/or learning disability which might affect your performance in this class, please contact the Office of Disability Services, 126A B&E, (803) 641-3609, as soon as possible. The Disability Services Office will determine appropriate accommodations based on medical documentation.

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#### Schedule for Geology 101, Sec300 Spring 09

Date	Quiz/Exam	Lecture	Chapter	Lab	
12-Jan		Introduction			
14-Jan		Earth's Interior	12		
19-Jan		MLK DAY - NO CLASS			
21-Jan		Minerals	3	Minerals	
26-Jan			3	Minerals	
28-Jan	Mineral Quiz				
2-Feb		Igneous Rocks	4	Ign Rcks Sed	
4-Feb		Sedimentary Rocks	7	Rcks	
9-Feb		Metamorphic Rocks	8	Met Rcks	
11-Feb	Rock Quiz				
16-Feb		Volcanoes and Igneous Activity	5		
18-Feb		Weathering and Soil	6		
23-Feb	Exam 1				Mid Point
25-Feb		Plate Tectonics	2	Isostasy	
2-Mar		Plate Tectonics	13&14	Cross Cut	
4-Mar		Geologic Time	9		
9-Mar		SPRING BREAK			
11-Mar		SPRING BREAK			
16-Mar		Crustal Deformation	10	Topo Maps	
18-Mar		Earthquakes	11	Structure	
23-Mar	Exam 2				
25-Mar		Slopes and Mass Wasting	15		
30-Mar		Running Water	16		
1-Apr		Groundwater	17		
6-Apr		Glaciers and Deserts	18&19		
8-Apr		Shorelines	20		
13-Apr	Exam 3				
15-Apr		Global Change	21&22		
20-Apr		Energy and Mineral Resources	23		
22-Apr		OPEN			
27-Apr		OPEN			
4-May		FINAL EXAM 8:00 PM			