

# COURSE OUTLINE

## Geology 101 – Physical Geology, Section 003

### Spring 2006

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)                      Credits: 4  
Phone: (706) 736-7667  
Email: syms@lettis.com

Required Text: EARTH: Portrait of a Planet, 2<sup>nd</sup> Edition, Marshak

#### 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. You will lose points for incorrect grammar!

#### 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
Final exam	=	100 points
Participation	=	50 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.

#### Extra Credit Options

EXTRA CREDIT **UP TO 40 POINTS CAN BE EARNED!**

1. Attending CSRAGS meetings that will be announced periodically during the semester will earn 5 points each.
2. Discussion of a current geologic event at the beginning of lecture will earn 5 points each.
3. Periodic optional assignments will be given and will earn 5 to 10 points each

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

Date	Quiz/Exam	Lecture	Lab
Aug 28		Introduction	
Aug 30		Field Trip	
Sep 4		Holiday	
Sep 6		Field Trip	
Sep 11		Earth	
Sep 13		Minerals	Minerals
Sep 18		Minerals	Minerals
Sep 20	Mineral Quiz	Igneous Rocks	Ign Rcks
Sep 25		Sedimentary Rocks	Sed Rcks
Sep 27		Metamorphic Rocks	Met Rcks
Oct 2	Rock Quiz	The Rock Cycle	
Oct 4		Plate Tectonics	Isostasy
Oct 9	Exam 1		
Oct 11		Geologic Time	Cross Cut
Oct 16		Crustal Deformation	Topo Maps
Oct 18		Seismicity	Structure
Oct 23		Structure	
Oct 25		Ocean-Atmosphere System	
Oct 30		River Systems	
Nov 1	Exam 2		
Nov 6		Groundwater	Grd Water
Nov 8		Shorelines	
Nov 13		Glaciers and Eolian Systems	
Nov 15		Slopes and Mass Wasting	
Nov 20		No Class	
Nov 22		No Class	
Nov 27		Geologic Hazards	
Nov 29	Exam 3		
Dec 4		Global Change	
Dec 6		Open	
Dec 11		Final Exam	

FINAL 5:00 PM