

- COURSE SYLLABUS -

GEL 133

PHYSICAL GEOLOGY

(3 Semester Credit Hours)

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GEOLOGY 133 - PHYSICAL GEOLOGY

Course Syllabus - Spring, 2008

INSTRUCTOR: Brian Cooper
OFFICE: 300C Lee Drain Building
OFFICE HOURS: 9 -9:50 MWF, 10 - 10:50 TuTh, or by appointment.
OFFICE PHONE: 294-1566 e-mail: bjcooper@shsu.edu

TEXT: Lutgens/Tarbuck, *Essentials of Geology*, 9th ed.

ATTENDANCE: Attendance is required. There are **NO** excused absences. No visitors. Each absence in excess of 6 absences costs 5 points off the final grade. Three tardies are equivalent to one absence. If you miss a lecture, it is your responsibility to obtain the material presented in the lecture from a fellow student.

Americans with Disabilities Act: According to University policy requests for accommodations must be initiated by the student. A student seeking accommodations should go to the Counseling Center in a timely manner and discuss any Students with Disabilities (SSD) issues. Every semester that the student desires accommodations, it is the student's responsibility to complete a Classroom Accommodation Request Form at the SSD office and follow the stated procedure in notifying faculty. Accommodations for disabled students are decided based upon documentation and need on a case-by-case basis by the Counseling Center.

Religious Holidays: University policy states that a student who is absent from class for the observance of a religious holy day should take an examination or complete an assignment scheduled for that day within a reasonable time after the absence. *The student, not later than the 15th calendar day after the first day of the semester, or the 7th calendar day after the first day of a summer session, must notify the instructor of each scheduled class that he/she would be absent for a religious holy day.*

Visitors In The Classroom : Unannounced visitors to class meetings must present a current, official SHSU identification card to be permitted in the classroom or at a restricted field site. They must not present a disruption to the class by their attendance. If the visitor is not a registered student, it is at the instructor's discretion whether or not the visitor will be allowed to remain in the class.

MAKE-UP EXAMS: If you miss any of the first three exams there will be a comprehensive make-up exam given at 2 pm on May 3, 2007, in LDB 300.

RULES:

1. Class starts on time.
2. Class ends when I say it ends. Leaving early without permission = a tardy.
3. Keep quiet when I am lecturing.
4. Raise your hand if you have a question or need to leave for any reason.
5. No drinks, No food, No smoking in the classroom.
6. Switch all pagers and cell phones to a silent mode.
7. Violations result in student being asked to leave and being counted absent.

CHEATING: Cheaters will automatically fail. Please keep your eyes on your own exam. You get one warning, then you get a zero. See *Student Guidelines*.

GRADING SCALE: 180 - 200 points = A, 160 - 179 points = B, 140 - 159 points = C
120 - 139 points = D, less than 119 points = F No extra credit.
Each of the four Scan-Tron exams is worth 50 points, for a total of 200.

OTHER: Lab (GEL 113) grade is a separate grade. Labs start January 28, 2008.

DESCRIPTION: An introduction to the materials, processes, and structure of the earth. Topics include earthquakes, volcanoes, plate tectonics, mountain building, weathering and erosion, glaciation, oceans, and mineral resources. No prerequisite. 3 credit hours.

OBJECTIVES: To obtain an understanding of earth materials (minerals and rocks), earth processes (volcanism, erosion, earthquakes, etc.), and the relationships/interactions among the various components of the earth. I start *small* and *build* :

Minerals ➡ *Rocks* ➡ *Crust* ➡ *Plates* ➡ *Earth*

PHYSICAL GEOLOGY

Tentative Outline - Spring, 2008

DATE	TOPICS
January 16	Introduction
January 18	The Earth
January 21	Martin Luther King, Jr. Day (holiday)
January 23	Geocycles
January 25	Minerals
January 28	Minerals
January 30	Igneous Rocks
February 1	Intrusive Igneous Rocks
February 4	Extrusive Igneous Rocks
February 6	Mt. St. Helens
February 8	FIRST EXAM
February 11	Clastic Sedimentary Rocks
February 13	Chemical Sedimentary Rocks
February 15	Weathering and Soils
February 18	Metamorphic Rocks
February 20	Contact Metamorphism
February 22	Regional Metamorphism
February 25	The earth's surface
February 27	Mass Movement
February 29	SECOND EXAM
March 3	Rivers and Streams
March 5	Rivers and Streams
March 7	Groundwater (Drop Day)
March 8 - 16	Spring Break
March 17	Groundwater
March 19	Glaciers
March 21	Good Friday (holiday)
March 24	Glaciers
March 26	Deserts
March 28	Deserts
March 31	Shorelines
April 2	Shorelines
April 4	Ocean Floors
April 7	Crustal Deformation
April 9	Mountain Building
April 11	THIRD EXAM
April 14	Plate Tectonics
April 16	Ocean Basin Development
April 18	Earthquakes
April 21	Seismology
April 23	Seismic Tomography
April 25	Volcanism: Divergence
April 28	Volcanism: Convergence
April 30	Intraplate Activity: Oceanic
May 2	Intraplate Activity: Continental
May 5	The Big Picture
May 7	A Bigger Picture

FINAL GEL 133.01 9 -10 MWF 8 - 10 Monday, May 14
GEL 133.02 10 -11 MWF 11 - 1 Monday, May 12

