

- COURSE SYLLABUS -

GEL 1403 PHYSICAL GEOLOGY LAB

(0 Semester Credit Hour)

Fall, 2017

**Professor: Dr. Brian Cooper
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Uranophane
Source: USGS Photographic Library

GEOL 1403 PHYSICAL GEOLOGY

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Section: (11) – (19)
Semester: Fall, 2017
Classes meet: Room LDB 315,
Office Hours: LDB300 11 – 11:50 daily or by appointment
Final Exam: To be announced
Course Text: Cooper, Netoff, and Hill *Physical Geology Laboratory Manual*

TAs: Individual instructors will announce their office hours (their office is located in LDB 309). Messages may be left for them in LDB 309 or at 294-3508. PLEASE DO NOT CALL THE MAIN OFFICE!

Americans with Disabilities Act:

STUDENTS WITH DISABILITIES POLICY:

It is the policy of Sam Houston State University that individuals otherwise qualified shall not be excluded, solely by reason of their disability, from participation in any academic program of the university. Further, they shall not be denied the benefits of these programs nor shall they be subjected to discrimination. Students with disabilities that might affect their academic performance should register with the Office of Services for Students with Disabilities located in the Lee Drain Annex (telephone 936-294-3512, TDD 936-294-3786, and e-mail disability@shsu.edu). They should then make arrangements with their individual instructors so that appropriate strategies can be considered and helpful procedures can be developed to ensure that participation and achievement opportunities are not impaired.

SHSU adheres to all applicable federal, state, and local laws, regulations, and guidelines with respect to providing reasonable accommodations for students with disabilities. If you have a disability that may affect adversely your work in this class, then I encourage you to register with the SHSU Services for Students with Disabilities and to talk with me about how I can best help you. All disclosures of disabilities will be kept strictly confidential. NOTE: No accommodation can be made until you register with the Services for Students with Disabilities. For a complete listing of the university policy, see:

<http://www.shsu.edu/dept/academic-affairs/documents/aps/students/811006.pdf>

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.

COURSE DESCRIPTION

Introduction

The purpose of this lab is to provide "hands-on" experience with earth materials (Labs 1-6) and an understanding of earth features (Labs 7-12). Some of the "hands-on" experience requires time outside of the designated lab time (you need to work with the minerals and rocks and maps as much as possible).

Objectives: Scientific thinking and analysis
Processing of original lab, field and map data
The nature of scientific (geological) evidence

Materials required for labs:

1. Penny and a sharp steel point.
2. Pencils (#2) and eraser.
3. Magnifying lens will help when looking at minerals, rocks, and maps.
4. Scan-Tron Form 815E for quizzes, 882ES for final.

Basic Philosophies

I expect good manners and a real concern for the welfare of other members of the class. If you use your imagination and place yourself in the position of others there will be no problems. That means do not disturb others who are there to learn: no cell phones, no sleeping, no reading non-course material.

Feedback

I welcome feedback and comments. Don't just wait until that end of semester questionnaire in order to express your feelings about any aspect of the course. This is **YOUR** course and you or someone else is paying a lot of money for it. It is your duty to make sure that you are getting value for money. You may have comments about the pace, the level of discussion, or about the general effectiveness. If you make constructive comments I will in all likelihood respond, but I can only do this if I know that there is a problem. In this connection I get pretty frustrated when the only time certain students attend office hours is just prior to the mid-term or final exam. If you want to do well in this course you have to be engaged with the whole course.

Attendance

All labs are compulsory. Taking the Final Exam for the course is also compulsory
The University requires each instructor to keep a record of student attendance.

Due Dates and Timetables

If you have a compelling reason for missing a lab you must make arrangements to make up the lab material covered in your own time. Quizzes can be made up only by specific agreement with your TA

and should be made up as quickly as possible after the absence. Do not “save” absences to the end of the course

Please note that I or your TA will only grant an extension or make-up following personal communication, either face-to-face, by phone (not voice mail), or by e-mail. If you use e-mail to request an extension you must not assume that it will be automatically granted – it will only be granted if and when you get an e-mail reply.

Academic Conduct

An Honor System applies to this course. If you are not sure about complicated issues like plagiarism or Academic Misconduct you should carefully read the relevant section in the current edition of the Student Handbook.

LAB	DATES	TOPICS
1	Sept 11-14	Physical Properties(√)/Economic Minerals(10)
2	Sept. 18-21	Rock-forming Minerals (10) (Quiz I (30))
3	Sept. 25-28	Igneous Rocks (10) (Quiz II (30))
4	Oct. 2-5	Sedimentary Rocks (10)/Metamorphic Rocks (10) (Quiz III (30))
5	Oct. 9-13	Topographic Maps (10) (Quiz IV (30))
6	Oct. 16-19	ROCK AND MINERAL PRACTICAL (100)
7	Oct. 23-26	Topographic Maps (10) (Quiz V (30))
8	Oct. 30-Nov. 2	Topographic Maps (15)
9	Nov. 6-9	Geologic Structures 1 (15) (Quiz VI (30))
10	Nov. 13-16	Geologic Structures 2 (20) (Quiz VII (30)) (Quiz VII will be given at the end of the lab period)
11	Nov. 27-30	FINAL EXAM (100)