

## GEOL 1405 Laboratory Course Syllabus

Spring 2018

Location: LDB 319

Lab Coordinator: Ava Fujimoto-Strait

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Office: LDB 335

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Office Hours: TuTh 10:00-11:00; F 1:00-2:00; or by appointment

### Teaching Assistants

TA Office: LDB 309

TA Phone: 294-3508

#### Day

#### Time

#### TA

Wednesday

12:00 – 1:50 pm

Rene Morris  
(rrm019@shsu.edu)

4:00 – 5:50 pm

Melissa Raup  
(mdr032@shsu.edu)

### Required Text:

*Geological Hazards and Resources Laboratory Manual*, 2007. Baldwin et al.: The Start Group, Huntsville TX. Available for purchase at the campus B&N bookstore and Homegrown Marketplace (diagonal from Old Main Market).

### Supplies:

*To be brought to each lab:* scientific calculator, lab book, pen/pencil

### Course Description:

This is a laboratory investigation of geologic hazards and natural disasters. You will learn by doing. Laboratories are designed as hands-on experiences, using real data to understand the basics of geologic hazards and natural disasters. Some labs will require a field component.

### Grading:

Your grade will be based on your performance on **Lab Quizzes, Lab & Field Exercises, completed lab manual** and a **comprehensive final exam**. All lab exercises must be completed with due diligence in the laboratory assigned. Each exercise should be completed by the end of the relevant lab period. You should complete the required reading **prior** to the lab meeting. Quizzes will occur at the beginning of lab and will cover material from the week before. If you leave the lab class immediately after the quiz, you will receive a 0 on that quiz.

An average of your laboratory assignments will be given to your professor. This average will be used in the calculation of your grade in the course. The laboratory portion of the course is worth 25% of your grade in the course.

Quizzes (7 X 30 pts) – lowest quiz grade is replaced by graded lab manual	210 pts
Lab Exercises (8 X 20 pts)	160 pts
Field Exercises (2 X 40 pts)	80 pts
Comprehensive Final	<u>100 pts</u>
Total	550 pts

#### **Missed Exams and Assignments:**

Do not miss lab. There will be no makeup exams or quizzes.

#### **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](mailto: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>

#### **Class Policies on Attendance/Behavior:**

Turn off your cell phones, both in the classroom and the field. Be respectful of your peers.

**Laboratory attendance is mandatory. DO NOT MISS LAB!** Come to class on time – there is no reason to be habitually late to lab. Two tardies will equal one absence. **More than two absences (for any reason) will result in a grade of F for the class.**

Your attendance, motivation, and participation are integral to your success in this course. Regular attendance is by far the easiest way to achieve a good grade in this course. I implore you to attend each and every class and to actively participate. I expect that you will act like adults. Disruptive behavior will not be tolerated. Please turn cell phones off during class and respect your peers.

If **you** decide to drop the course, it is **your** responsibility to fill out the necessary paperwork or you will receive a grade based upon your performance in the class regardless of the amount of work you completed.

#### **Academic Honesty:**

I expect you to fulfill your academic obligations through honest and independent effort. If I have sufficient reason to believe you are cheating on any graded work in this course, you will be dropped from the course with a failing grade. You may refer to the SHSU Academic Policy Manual, student section, Policy #810213 for specific language.

#### **Field Laboratories**

Two of your laboratories will require meeting in the field. Your TAs will provide you with the logistical information the laboratory before the field exercises. You must come prepared to do field work (i.e. appropriate field clothes, footwear, and supplies). Field sites are inherently dangerous places. You should take all appropriate precautions to insure your safety and the safety of others. TA instructions should be followed without argument.

#### **Laboratory Exercises:**

The topics of lecture are in relative chronological order but are subject to change. Field Labs may be rescheduled due to weather conditions.

<u>Lab</u>	<u>Date:</u>	<u>Topic</u>	<u>Reading Assignment</u>	<u>Quiz</u>
1	31-Jan	Maps & Remote Sensing	Chpt 1	
2	7-Feb	Mineral Resources	Chpt 10	Quiz I
3	14-Feb	Earthquakes	Chpt 7	Quiz II
4	21-Feb	Volcanoes	Chpt 3	Quiz III
5	28-Feb	SHSU Fish Hatchery Field Lab	Chpt 2	
6	7-Mar	Landslides	Chpt 4	Quiz IV
7	21-Mar	Subsidence	Chpt 5	Quiz V
8	28-Mar	Flash Floods	Chpt 6A	Quiz VI
9	4-Apr	Flash Floods Field Lab	Chpt 6B	
10	11-Apr	Water Resources	Chpt 9	Quiz VII
11	18-Apr	Lab Final (comprehensive)		