EAS 2400: Field Techniques in Geology  
Spring 2017, 2 Credits

Instructor: Prof. Liz Hasenmueller, O’Neil Hall 104F, 977-7518, hasenmuellerea@slu.edu  
Office Hours: 1:00 PM – 3:00 PM Thursday or by appointment

Teaching Assistant: Kayla Lockmiller, Ritter Hall 003, lockmillerka@slu.edu  
Office Hours: 11:00 AM – 12:00 PM Monday, 3:00 PM – 4:00 PM Wednesday, or by appointment

Meeting Times and Place: 12:45 PM – 3:30 PM Tuesday, Ritter Hall 020

Website: Blackboard (http://blackboard.slu.edu)

Course Description: Instruction in the fundamental methods of field work in the geosciences and environmental sciences. Students will learn to use compasses, maps, and other important geological and environmental field equipment, describe and map basic geologic features and structures, and maintain a field notebook. Prerequisites: EAS 1010 and EAS 1020 (or equivalent) or permission of instructor.

Learning Objectives:
- Proficiency in the use of field notebooks, compasses, surveying instruments, maps, and other important geological and environmental field equipment.
- Detailed and complete data gathering using appropriate techniques for collection of reliable data.
- Deduction of regional interpretations and geologic history using real-world datasets.

Required Materials for the Course:
- Textbook: Geological Field Techniques by Coe
- Field materials: Hardcover, waterproof field notebook (Rite in the Rain, Geological Field Notebook, 540F), calculator, clipboard, protractor, and set of colored and regular pencils
- Optional items: hand lens, rock hammer, and pocket knife

Course Responsibilities and Grading Policies: Course grades will be determined based on two exams, field exercises, and a field trip report. Due dates for assignments are noted below.

Exams: 30%
Two exams will be given (15% each). Exams will focus on the most current material and readings but students must be able to recall information from throughout the course to be successful on the 2nd exam.

Field Exercises: 60%
Field exercises will be assigned throughout the course. Because this is a hands-on field course, attendance is mandatory. It is the student’s responsibility to attend class to participate in these assignments. Students should always be prepared to go into the field...
during every class period. Punctuality is imperative for this course, so always arrive on time. Assignments are due at the beginning of the next class period unless specifically noted otherwise.

**Field Trip: 10%**
This course will have one required field trip on April 22 to take advantage of the warmer weather in the spring. We will depart at 8 AM and return in the late afternoon. Students will be required to provide written summaries of field trip activities and answer essay questions pertaining to the field trip. Details will be provided in class before the trip. Unexcused absences from the trip will result in an automatic grade of 0, so contact Dr. Hasenmueller at least two weeks in advance if you have a conflict.

**Grading:** Final grades will be determined by the instructor. However, students are guaranteed the following minimum letter grades:

- **A-:** 90-92%; **A:** >93%
- **B-:** 80-82%; **B:** 83-86%; **B+:** 87-89%
- **C-:** 70-72%; **C:** 73-76%; **C+:** 77-79%
- **D:** 60-69%
- **F:** <60%

Late assignments will be accepted until graded assignments are returned in class. A penalty of -10% per day (including weekends and university holidays) will be enforced. Late assignments must be turned in to the instructor or TA in person unless other arrangements have been made. No assignment will be accepted on weekends or university holidays. Under certain circumstances, including emergencies or illnesses, and only with approval from the instructor, short extensions, make-up assignments, or redistribution of points for missed exams, assignments, or field trips may be granted. You must provide me with an acceptable, written excuse if you miss an exam or class assignment.

**Academic Support:** In recognition that people learn in a variety of ways and that learning is influenced by multiple factors (e.g., prior experience, study skills, learning disability, etc.), resources to support student success are available on campus. Students who think they might benefit from these resources can find out more about:

- Course-level support (e.g., faculty member, departmental resources, etc.) by asking your course instructor.
- University-level support (e.g., tutoring/writing services, Disability Services, etc.) by visiting the Student Success Center (BSC 331), going to http://www.slu.edu/success, or the Reinert Center for Transformative Teaching and Learning: www.slu.edu/cttl.

Students who believe that, due to a disability, they could benefit from academic accommodations are encouraged to contact Disability Services at 977-3484 or visit the Student Success Center. Confidentiality will be observed in all inquiries. Course instructors support student accommodation requests when an approved letter from Disability Services has been received and
when students discuss these accommodations with the instructor after receipt of the approved letter.

**Writing Services:** I encourage you to take advantage of the writing services in the Student Success Center: getting feedback benefits writers at all skill levels. Trained writing consultants can help with any kind of writing project, multimedia project, and/or oral presentation. They offer one-on-one consultations that address everything from brainstorming and developing ideas to crafting strong sentences and documenting sources. For more information, call 977-3484 or visit http://www.slu.edu/writingservices.xml.

**Classroom Conduct:** Students must be respectful and courteous to each other and the instructor at all times. Demeaning, abusive, or otherwise foul language is prohibited. Talking on your cell phone and cell phone ringing is disruptive and prohibited. Laptops are allowed in class for note-taking only; doing non-related work on a laptop during class is disrespectful.

**Academic Integrity and Honesty:** The university is a community of learning, whose effectiveness requires an environment of mutual trust and integrity. Academic integrity is violated by any dishonesty such as soliciting, receiving, or providing any unauthorized assistance in the completion of work submitted toward academic credit. While not all forms of academic dishonesty can be listed here, examples include copying from another student, copying from a book or class notes during a closed book exam, submitting materials authored by or revised by another person as the student’s own work, copying a passage or text directly from a published source without appropriately citing or recognizing that source, taking a test or doing an assignment or other academic work for another student, securing or supplying in advance a copy of an exam or quiz without the knowledge or consent of the instructor, sharing or receiving the questions from an online quiz with another student, taking an online quiz with the help of another student, and colluding with another student or students to engage in academic dishonesty.

All clear violations of academic integrity will be met with appropriate sanctions. In this course, academic dishonesty on an assignment will result in an automatic grade of 0 for that assignment and a report of academic dishonesty sent to the Academic Honesty Committee of the College of Arts and Sciences. In the case of Class B violations, the Academic Honesty Committee may impose a larger sanction including, but not limited to, assignment of a failing grade in the course, disciplinary probation, suspension, and dismissal from the university.

Students should refer to the following SLU website for more information about Class A and B violations and the procedures following a report of academic dishonesty: http://www.slu.edu/x12657.xml.

**Title IX Statement:** SLU and its faculty are committed to supporting our students and seeking an environment that is free of bias, discrimination, and harassment. If you have encountered any form of sexual misconduct (e.g., sexual assault, sexual harassment, stalking, domestic or dating violence, etc.) we encourage you to report this to the university. If you speak with a faculty member about an incident of misconduct, that faculty member must notify SLU’s Title IX coordinator, Anna Kratky (DuBourg Hall 36; akratky@slu.edu; 977-3886) and share the basic
facts of your experience. The Title IX coordinator will then be available to assist you in understanding your options and connecting you with all possible resources on and off campus.

If you wish to speak with a confidential source, you may contact the counselors at the University Counseling Center at 977-TALK. To view SLU’s sexual misconduct policy and for resources, please visit the following web addresses: http://www.slu.edu/general-counsel-home/office-of-institutional-equity-and-diversity/sexual-misconduct-policy and www.slu.edu/here4you.

**Schedule:** Listed below is a *tentative* schedule. The instructor reserves the right to modify the order and topics as necessary. Changes to the schedule will be announced in class, and it is the students’ responsibility to attend class or make other necessary arrangements to keep abreast of the situation. Specific readings will be announced in class.

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