Structural Geology 310L Laboratory Syllabus
Spring Semester 2014

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310L TEXTBOOK: Structural Analysis and Synthesis, 3rd edition by Rowland, Duebendorfer, and Schiefelbein

WEB RESOURCES: Check out the Moodle space for this course

You will find that you learn structural geology by seeing it in the field, hearing the lectures, and practicing in the laboratory. The labs will take your full effort and concentration; additionally they may require time outside of your designated lab class period. Each lab will help you master skills that are required for the subsequent lab. I therefore urge you to take the time to complete these labs to the best of your ability and to strive not to get behind in the schedule.

At times through the semester, it may become necessary for me to update the syllabus to match the topics and pace that we cover the material. Therefore, future syllabi may replace this version that you have received on the first day of class. You will find the updated syllabi on the Moodle page for this course.

Lab Policy:

1. **Each lab is due at the beginning of the lab period two weeks after the day they are assigned. I do NOT accept or grade late labs. An assignment is considered 'late' whether it is turned in one minute or one hour after a deadline.** Below are some guidelines for completing each lab and field exercise.

1. Read ALL OF THE INSTRUCTIONS AND LAB INTRODUCTION MATERIAL before you start your lab activity.
2. Your name must be on every page of the lab materials that you hand in to me, or it must be stapled.
3. Strive for clear, professional work—this will help you form good habits of documentation both in the field and in the laboratory.
    a) Use a *sharp* pencil—preferably mechanical (0.5 mm)
    b) Circle your final answers
    c) Write legibly
    d) Show all your work—I will assign partial credit if I can follow your thought process, but I will be unforgiving in grading if you do not show the work that lead you to a particular answer.

2. You are expected to show up **on time** for lab. You are already familiar with the parking and traffic situations in the Los Angeles area; these are not valid excuses for tardiness. If you are unable to attend a lab (for a valid reason including medical emergency or personal/family emergency), please contact me *in advance* so that arrangements can be made. If you miss a lab, it is your responsibility to seek out and complete the work.

3. You are required to take the quizzes as they are scheduled. I do not give make-up quizzes**.** Therefore, if you miss a quiz, a grade of '0' will be recorded. Quizzes are also timed, so you must get to class on time if you want to have all of the allotted time to work. Be sure to check the schedule *immediately* so that you avoid missing any quizzes. If you miss a quiz due to an *extraordinary* circumstance (such as a serious illness or a medical or family emergency), you must have official documentation available for me to verify those circumstances, and you must supply that documentation within 24 hours of the quiz date. In the event of such an emergency, the suitability of the documentation and administration of make-up quizzes is entirely at my discretion. You are required to contact me well in advance of such an event, or within 24 hours of an unforeseen event. You will not be eligible to take a make-up quiz if you do not follow these directions.

4. The final lab project is due in TurnItIn.com by 5:00 p.m. SHARP on the due date. No late work will be accepted or graded for credit in any other form; only on-time TurnItIn submissions are valid. **A lab project is considered 'late' whether it is turned in one minute or one hour after a deadline. Late work will be given a grade of zero—no exceptions.**

I encourage discussion and debate with your fellow students in the laboratory. However, you must do your own work. There are no lab partners in this class. Please note that I will regard duplicate answers (when appropriate) as evidence of cheating, and both students will fail the lab course. Academic integrity is of utmost importance in the classroom. Please do not put yourself or your fellow students in an awkward situation.

ACADEMIC DISHONESTY

Official California State University policy states: "The maintenance of academic integrity and quality education is the responsibility of each student within this university and the California State University system. Cheating or plagiarism in connection with an academic program at a campus is listed in Section 41301, Title 5, California Code of Regulations, as an offense for which a student may be expelled, suspended, or given a less severe disciplinary sanction. Academic dishonesty is an especially serious offense and diminishes the quality of scholarship and defrauds those who depend upon the integrity of the campus programs. Such dishonesty includes but is not limited to: cheating, fabrication, facilitating academic dishonesty, and plagiarism."

I do not tolerate any form of academic dishonesty. I expect that you will uphold the integrity of the academic environment here at CSUN; however, if I find evidence of academic dishonesty, we will report such evidence to the Office of the Vice President for Student Affairs and recommend disciplinary action. If you are caught cheating in my class, you will be given a failing grade for the assignment, and possibly a failing grade for course depending on the severity of the incident (what constitutes a serious offence is at my discretion). This includes, but is not limited to, plagiarism, facilitating cheating by another student, using electronic files from peer or former student maps, cross-sections, or projects, or lying about an excuse for missing an assignment deadline. Plagiarism also includes the use of paragraphs or even long phrases and diagrams or parts of diagrams from peer or former student reports/labs/maps in your own assignment without proper acknowledgement of the source. Proper acknowledgement of sources

clears the student from academic dishonesty charges, but does not fulfill the work obligations of the student and the acknowledged item will count "0" points on the report.

Lab Grades

Your grade in this course will be assessed by laboratory activities, quizzes, and the final project. Each lab activity is worth 20 points, each lab quiz is worth 30 points, and the final project is worth 100 points. In the event that you have a borderline grade, I will use your attendance, class participation, and overall effort dedicated to the course as a basis for assigning you a grade. I do not 'grade on a curve'. The grading scale is as follows:

A = 93-100	A- = 90-92	B+ = 87-89	B = 83-86	B- = 80-82	C+ = 77-79
C = 73-76	C- = 70-72	D+ = 67-69	D = 63-66	D- = 60-62	F = < 60

Lab Materials

Pencils and pens
Colored pencils – **at least 15 different colors**
Eraser
Graph paper (10 squares per inch)
Tracing paper
Protractor
Ruler
Zip-a-dip (optional)
A laminated **equal-area** stereonet (stereonet will be given to you; you'll need to laminate it)
Thumb tack with flat head
Calculator with trigonometric functions

LABORATORY SCHEDULE

	Date	Topic
Lab 1	Jan 27	LAB #1: Attitudes of Lines and Planes; True and Apparent Dip; Orthographic Projection
Lab 1	Feb 3	
Lab 2	Feb 10	LAB #2 Structural Contours and Three Point Problems
Lab 2	Feb 17	
Lab 3	Feb 24	**QUIZ Lab 1** LAB #3: Geologic Maps and Cross-Sections
Lab 3	Mar 3	
Lab 4	Mar 10	LAB #4: Stereographic Projection
Lab 4	Mar 17	**QUIZ Labs 1-2**
	Weekend Field Trip: March 20 - 23	
Lab 5	Mar 24	LAB #5: Deformation Mechanisms, Microstructures, Fault Rocks
Lab 5	Mar 31	No class; Cesar Chavez Day
Apr 7-11	**SPRING BREAK NO CLASS**	
Lab Project	Apr 14	Introduction to Lab Project
	Apr 21	**QUIZ over Labs 1-4**; Lab Project
	April 28	Lab Project
	May 5	Lab Project
	May 12	**LAB PROJECT DUE in TurnItIn.com by 5:00 p.m. SHARP!!**