

GEOL 348 Field 1, Fall 2017

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1. General Information - The purpose of this course is to provide the student with opportunities to learn standard geologic mapping techniques, basic skills of field geology, proficient use and reading of topographic maps, proficient use of a compass with clinometer, and the rudiments of geologic report writing. The student is expected to attend class meetings; prepare maps, formation descriptions, field notes, cross sections, and reports; and participate in discussions of data collected. Students will produce a product suitable for professional presentation. The grading scheme, class topics, and project schedule are provided below.

The textbook for this class will be Davis et al., Structural Geology of Rocks and Regions, Third edition, Part 3 sections B-F are the assigned reading for the course. Hardcover ISBN: 978-0-471-15231-6 and e-text ISBN : 978-1-118-21505-0. Optional journal articles will also be assigned during the course. Information on downloading this book will be provided.

2. Learning Outcomes/Objectives - Basic knowledge of field data collection methods; creation of geologic maps; formation recognition and description; data collection and analysis; and an understanding of scientific data collection, analysis and reporting.

3. Schedule

Day(s)	Topic(s)
Sept. 1	Introduction to mapping including Brunton pocket transit use, especially taking a strike and dip; creation of map boards; Pace and Compass exercise; magnetic declination; quadrant vs. azimuth; pace; lat/long, UTM, township, section and range; review of and exercise on components of a geologic map product; introduction to generation of geologic maps in Adobe Illustrator; and downloading, scaling and plotting of topographic maps, if time permits.
Sept. 8, 15, 22, 29 & Oct. 6	Project 1 – Map, field notes, unit descriptions, cross section, report <i>due: 10/20, Noon</i> 1. Intro to topographic contours, land survey system, mapping intro, field safety, unit descriptions, field notebooks, mapping 2. Purpose and problem, review of tasks per stop, unit descriptions, and notebooks, rule of v's, mapping 3. Regional tectonic history, mapping 4. Cross section construction, map layout, mapping 5. Overview of report writing, mapping
Oct. 13	10:00AM-2:00 PM Optional work session with Professor or TA present
Oct. 27-28	Project 2 – Quaternary mapping, map and field notes <i>due: 11/6, Noon</i>
Nov. 3	10:00AM-2:00 PM Optional work session with Professor or TA present
Nov. 10-12	Project 3 – Map, field notes, unit descriptions, cross section, report <i>due: 12/8, 4:00 PM</i>
Nov. 17 & 18	10:00AM-2:00 PM Optional work session with Professor or TA present
Dec. 1	Project 3 – Map, field notes, unit descriptions, cross section, report <i>due: 12/8, 4:00 PM</i>
Dec. 8	10:00AM-2:00 PM Optional work session with Professor or TA present

4. Assessment statement - GEOL 348 - Assessment of the above learning outcomes/objectives will be based on:

Pace and Compass exercise, map & AI exercise	5 %	Third Project	40 %
First project	35 %	Participation and professionalism	5 %
Second project	15 %		

Class time that is missed will need to be discussed with the Professor and made up in the field. Alternate make-up projects are not available. The student will be responsible for travel and safety considerations needed for make-up time; 4WD may be needed for travel. Failure to make up missed field days will result in zero points for that part of the assignment.

Students MUST do their own work, even while working in teams. Cheating, including plagiarism, will result in a grade of F for the class and will be reported to the UNLV Office of Student Conduct.

5. University Policies

Academic Misconduct—Academic integrity is a legitimate concern for every member of the campus community; all share in upholding the fundamental values of honesty, trust, respect, fairness, responsibility, and professionalism. By choosing to join the UNLV community, students accept the expectations of the Student Academic Misconduct Policy and are encouraged when faced with choices to always take the ethical path. Students enrolling at UNLV assume the obligation to conduct themselves in a manner compatible with UNLV's function as an educational institution. An example of academic misconduct is plagiarism. Plagiarism is using the words or ideas of another, from the Internet or any source, without proper citation of the sources. See the *Student Academic Misconduct Policy* (approved December 9, 2005) located at: <https://www.unlv.edu/studentconduct/student-conduct>.

Copyright—The University requires all members of the University Community to familiarize themselves with and to follow copyright and fair use requirements. You are individually and solely responsible for violations of copyright and fair use laws. The university will neither protect nor defend you, nor assume any responsibility for employee or student violations of fair use laws. Violations of copyright laws could subject you to federal and state civil penalties and criminal liability, as well as disciplinary action under University policies. Additional information can be found at: <http://www.unlv.edu/provost/copyright>.

Disability Resource Center (DRC)—The UNLV Disability Resource Center (SSC-A 143, <http://drc.unlv.edu/>, 702-895-0866) provides resources for students with disabilities. If you feel that you have a disability, please make an appointment with a Disabilities Specialist at the DRC to discuss what options may be available to you. If you are registered with the UNLV Disability Resource Center, bring your Academic Accommodation Plan from the DRC to the instructor during office hours so that you may work together to develop strategies for implementing the accommodations to meet both your needs and the requirements of the course. Any information you provide is private and will be treated as such. To maintain the confidentiality of your request, please do not approach the instructor in front of others to discuss your accommodation needs.

Final Examinations—The University requires that final exams given at the end of a course occur at the time and on the day specified in the final exam schedule. See the schedule at: <http://www.unlv.edu/registrar/calendars>.

Incomplete Grades—The grade of I—Incomplete—can be granted when a student has satisfactorily completed three-fourths of course work for that semester/session but for reason(s) beyond the student's control, and acceptable to the instructor, cannot complete the last part of the course, and the instructor believes that the student can finish the course without repeating it. The incomplete work must be made up before the end of the following regular semester for undergraduate courses. Graduate students receiving "I" grades in 500-, 600-, or 700-level courses have up to one calendar year to complete the work, at the discretion of the instructor. If course requirements are not completed within the time indicated, a grade of F will be recorded and the GPA will be adjusted accordingly. Students who are fulfilling an Incomplete do not register for the course but make individual arrangements with the instructor who assigned the I grade.

Library Resources—Students may consult with a librarian on research needs. Subject librarians for various classes can be found here: https://www.library.unlv.edu/contact/librarians_by_subject. UNLV Libraries provides resources to support students' access to information. Discovery, access, and use of information are vital skills for academic work and for successful post-college life. Access library resources and ask questions at <https://www.library.unlv.edu/>.

Rebelmail—By policy, faculty and staff should e-mail students' Rebelmail accounts only. Rebelmail is UNLV's official e-mail system for students. It is one of the primary ways students receive official university communication such as information about deadlines, major campus events, and announcements. All UNLV students receive a Rebelmail account after they have been admitted to the university. Students' e-mail prefixes are listed on class rosters. The suffix is always @unlv.nevada.edu. **Emailing within WebCampus is acceptable.**

Religious Holidays Policy—Any student missing class quizzes, examinations, or any other class or lab work because of observance of religious holidays shall be given an opportunity during that semester to make up missed work. The make-up will apply to the religious holiday absence only. It shall be the responsibility of the student to notify the instructor within the first 14 calendar days of the course for fall and spring courses (excepting modular courses), or within the first 7 calendar days of the course for summer and modular courses, of his or her intention to participate in religious holidays which do not fall on state holidays or periods of class recess. For additional information, please visit: <http://catalog.unlv.edu/content.php?catoid=6&navoid=531>.

Transparency in Learning and Teaching—The University encourages application of the transparency method of constructing assignments for student success. Please see these two links for further information: <https://www.unlv.edu/provost/teachingandlearning>
<https://www.unlv.edu/provost/transparency>

Tutoring and Coaching—The Academic Success Center (ASC) provides tutoring, academic success coaching and other academic assistance for all UNLV undergraduate students. For information regarding tutoring subjects, tutoring times, and other ASC programs and services, visit <http://www.unlv.edu/asc> or call 702-895-3177. The ASC building is located across from the Student Services Complex (SSC). Academic success coaching is located on the second floor of SSC A (ASC Coaching Spot). Drop-in tutoring is located on the second floor of the Lied Library and College of Engineering TBE second floor.

UNLV Writing Center—One-on-one or small group assistance with writing is available free of charge to UNLV students at the Writing Center, located in CDC-3-301. Although walk-in consultations are sometimes available, students with appointments will receive priority assistance. Appointments may be made in person or by calling 702-895-3908. The student's Rebel ID Card, a copy of the assignment (if possible), and two copies of any writing to be reviewed are requested for the consultation. More information can be found at: <http://writingcenter.unlv.edu/>.