

Advance Field Spring 2023 Syllabus

Department of Geoscience

University of Nevada, Las Vegas

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GEOL 472 – Advance Field

No arrange meeting time during the semester
 Requires three-week field trip commitment
 Advanced field techniques including analysis of geologically complex areas; independent and collaborative field projects, and preparation of professional maps and reports. Oral presentation of projects. Field work. Prerequisites: A minimum grade of C in both GEOL 448 and GEOL 442.

Course Materials and Requirements

Field Gear: field book, hand lens, hammer, covered clip board, camera (phone), field pack with three liters of water capacity, durable hiking boots and clothes.
 Drafting Gear: pencils, coloring pencils (24 pack), felt tip pens (three sizes), protractor, ruler.
 Camping Gear: Tent, sleeping pad, sleeping bag.
 Recommended Text: R.R. Compton, Geology in the Field, ISBN: 978-1547118779

Course Structure

This course will be delivered in person. Instruction will take place outdoors in the greater Las Vegas area and eastern California. We will be adhering to the [UNLV guidelines on COVID-19](#), which are subject to change.

Course Learning Outcomes

- Design a field strategy to collect or select data on field relationships in order to answer a geologic question using disciplinary conventions (field notes, mapping, rock descriptions, etc.).
- Synthesize geologic data to interpret earth systems and past/current/future processes using multiple lines of spatially distributed evidence.
- Communicate clearly using written, verbal, and/or visual media (e.g., maps, cross-sections, reports) and develop an argument that is consistent with available evidence and uncertainty.
- Work effectively independently and collaboratively that demonstrate behaviors expected of professional geoscientists (e.g., commitment, reliability, leadership, open for advice, channels of communication, supportive, inclusive).
- Reflect on personal strengths and challenges (e.g. in study design, health and safety, time management, work preparation, collegiality, independent and collaborative work).

Field Project Design

The field projects will be formatted to resemble real world applications of field geology and *may* include:

Map: Colored, inked, labeled

Cross-section: Colored, inked, labeled

Stereonet plots: Colored and labeled

Field Sketches: Field sketches will be required for certain outcrop relationships.

Group Presentations: Student groups will lead nightly presentations on relevant scientific literature provided by the instructor.

Geologic Report: Unit descriptions, stratigraphy, volcanology, and structural analysis integrated with scientific literature.

Turn in dates will be determined at a later time.

Course Schedule

March 10-17th: 1 week

May 20th- June 3rd: 2 weeks

Spring break projects: Geology of the Southern Colorado Extensional Corridor, NV

March 10-17th (UNLV spring break)

Campsite details:

Cottonwood Cove Campground in Lake Mead National Recreation Area. Reserved five campsites with access to water, bathroom facilities. Campsites are walking distance to Cottonwood Cove Marina convenience store and the refreshing Colorado River (Lake Mohave). Campground is 13 miles from Searchlight, NV and 57 miles from Boulder City, NV.

Summer break projects: Geology of the Poleta Folds Area and Owens Valley region, CA

May 20th - June 3rd (1 week following spring commencement)

Campsite details:

Cedar Flats Campground, Inyo National Forest. Reserved group campsite with access to toilet facilities. Campground is 13 miles from Big Pine, CA and 27 miles from Bishop, CA.

Grading Policy

Description	%
Project 1	35
Project 2	50
Map Exam	10
Professionalism	5
total	100 %

Grade	Semester Average	Grade	Semester Average
A	over 93	C	73 to 77
A-	90 to 93	C-	70 to 73
B+	87 to 90	D+	67 to 70
B	83 to 87	D	63 to 67
B-	80 to 83	D-	60 to 63
C+	77 to 80	F	below 60

Late Work Policy-Pay close attention to deadlines-there will be no make-up assignments or late-work accepted without a compelling reason and instructor approval.

Professionalism and Field Conduct

For your safety and the safety of others, and for maintaining the high-quality standard of UNLV field experiences, you must understand that your participation in a field experience requires following the rules below in regard to conduct while on the trip. **Failure to abide by these rules will result in deduction of your professionalism grade.**

- Following the instructions of trip leaders at all times and never leaving the group or the camp unless you have the permission of trip leaders.
- Respecting the properties, structures, areas and vehicles at and on which activities occur, and observing all rules and regulations of the properties, structures, areas and vehicles.
- No Geo-Vandalizing of outcrops especially in protected lands. Leave no trace rule is in full effect.
- Showing respect to others, including non-participants and the general public, at all times. Having appropriate behavior at all times, including in the evening hours.
- Mapping groups consist of 2 people. No forming large groups in the map area.
- Group cooking involves equal participation in food prep, cooking, and cleaning.

I have zero tolerance policy when it comes to safety and misconduct. **Failure to abide by these rules will result in removal from the course, a failing grade, and legal reporting to university administration or law enforcement.**

- Never initiating or being involved in any activity that is dangerous to yourself or others, which includes; Not possessing or using any illegal drugs while on the trip, and not possessing weapons, including firearms.
- No discrimination or disrespectful behavior based on race, sex, age, color, national origin, ethnicity, creed, religion, disability, sexual orientation, gender, gender identity.
- Not participating in sexual misconduct of any form. Sexual harassment is a form of discrimination and is unlawful. If sexual harassment is occurring to you, or if you witness sexual harassment occurring to others on the trip, you should report this behavior to the trip leader, a UNLV representative, and/or to law enforcement.
- Students are not allowed to bring guests, including children and pets on course activities.

Accessibility and Inclusion

University of Nevada, Las Vegas goal is to provide students with effective accommodations based on law and current best practices and to promote individual growth and self-determination. I encourage full participation of all students within the university community. If there are particular things you need to help your learning in this course, I'd like to discuss it with you as soon as we can, so we can talk about arrangements and support. I am committed to access for all of our students so if you need particular accommodation in this course, please let me know and also contact Disability Resource Center to get the process started.

As an institution of higher learning, UNLV represents a rich diversity of human beings among its faculty, staff, and students, and is committed to aspiring to maintain a Campus environment that values that diversity. Accordingly, the University supports understanding and appreciation of all members of its community, regardless of race, sex, age, color, national origin, ethnicity, creed, religion, disability, sexual orientation, gender, gender identity, marital status, pregnancy, genetic information, veteran status, or political affiliation. Accordingly, the instructor asks that students be willing to listen to one another's points of view, acknowledging that there may be disagreements, keep discussion and comments on topic, and use first person, positive language when expressing their perspectives.

University Policies

All instructors are required to include the academic policies listed below in the syllabi for their courses, perhaps under a section entitled University Policies. This document is posted on the [University Policies](https://www.unlv.edu/policies/additional) webpage, <https://www.unlv.edu/policies/additional>, in the Executive Vice President and Provost section, under Academic Semester Memos.

Please address questions to Kate Korgan, Senior Vice Provost for Academic Affairs, via email at SVPA@unlv.edu or (702) 895-5950.

Public Health Directives

Face coverings are currently optional for all faculty and students in the classroom. Students must follow all active UNLV public health directives while enrolled in this class. UNLV public health directives are found at [Health Requirements for Returning to Campus](https://www.unlv.edu/coronavirus/health-requirements), <https://www.unlv.edu/coronavirus/health-requirements>. Students who do not comply with these directives may be asked to leave the classroom. Refusal to follow the guidelines may result in further disciplinary action according to the [UNLV Student Conduct Code](https://www.unlv.edu/sites/default/files/page_files/27/StudentConduct-Code.pdf), https://www.unlv.edu/sites/default/files/page_files/27/StudentConduct-Code.pdf, including being administratively withdrawn from the course.

Academic Misconduct

Academic integrity is a legitimate concern for every member of the University community. We 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 to always take the ethical path whenever faced with choices. Students enrolling at UNLV assume the obligation to conduct themselves in a manner compatible with UNLV's educational mission. An example of academic misconduct is plagiarism. Plagiarism is using the words or ideas of another person, from the Internet or any other source without proper citation of the source(s). See the [Student Conduct Code](https://www.unlv.edu/studentconduct/student-conduct), <https://www.unlv.edu/studentconduct/student-conduct>.

Auditing a Course

Auditing a course allows a student to continue attending the lectures and/or laboratories and discussion sessions associated with the course, but the student will not earn a grade for any component of the course. Students who audit a course receive the same educational experience as students taking the course for a grade, but will be excused from exams, assessments, and other evaluative measures that serve the primary purpose of assigning a grade.

Classroom Conduct

Students have a responsibility to conduct themselves in class and in the libraries in ways that do not interfere with the rights of other students to learn, or of instructors to teach. Use of devices such as cellular phones and pagers, or other potentially disruptive activities are only permitted with the prior explicit consent of the instructor.

Students are specifically prohibited to record classes without instructor authorization, including online/remote classes (either audio only, or video and audio). The instructor may rescind

permission at any time during the class. If a student does not comply with established requirements or obstructs the functioning of the class, the instructor may initiate an administrative withdrawal of the student from the course.

Since the COVID-19 pandemic forced some instruction to be delivered remotely starting in Spring 2020, numerous students have asked instructors to record their synchronous classes, so that they can access them at their convenience. Instructors who agree to record their classes (audio only, or video and audio) should inform students in advance. Recorded lectures may not be broadly released to anyone, but made available exclusively to those students enrolled in the class during the particular academic term. Recorded lectures must be stored securely, and are subject to the Nevada System of Higher Education's Records Retention Policy, meaning that the recordings can only be deleted 120 days after the end of class (i.e., after grades are posted). Once this requirement is met, the recordings should be deleted. Class recordings are protected from disclosure, as they are deemed part of an educational record under the Family Educational Rights and Privacy Act (FERPA).

Copyright

The University requires all members of the University Community to familiarize themselves with and 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 student or employee 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 [copyright policy information](https://www.unlv.edu/provost/copyright) is available at <https://www.unlv.edu/provost/copyright>.

Disability Resource Center (DRC)

The [UNLV Disability Resource Center](https://www.unlv.edu/drc) (Campus Resource Center (CRC), across Harmon from the Lied Library, <https://www.unlv.edu/drc>, telephone 702-895-0866) provides resources for students with disabilities. Students who believe that they may need academic accommodations due to a permanent disability, temporary or permanent medical need, or academic support due to pregnancy are encouraged to contact the DRC as early as possible in the academic term. A Disabilities Specialist will discuss what options may be available to you. Students who are already registered with the DRC should request their accommodations online each semester, and make an appointment to discuss their accommodations with their instructors.

Final Examinations and Study Week

The University requires that final exams given at the end of a course occur on the date and at the time specified in the Final Exam schedule. The general schedule is typically available at the start of the semester, and the classroom locations are available approximately one month before the end of the semester. See the [Final Exam Schedule](https://www.unlv.edu/registrar/calendars), <https://www.unlv.edu/registrar/calendars>.

Identity Verification and Online Course Requirements

All UNLV students must use their Campus-issued ACE ID and password to log in to WebCampus-Canvas.

UNLV students enrolled in online or hybrid courses are expected to read and adhere to the [Student Academic Misconduct Policy](https://www.unlv.edu/studentconduct/misconduct/policy), <https://www.unlv.edu/studentconduct/misconduct/policy>, which states that “acting or attempting to act as a substitute for another, or using or attempting to use a substitute, in any academic evaluation or assignment” is a form of academic misconduct. Intentionally sharing ACE login credentials with another person may be considered an attempt to use a substitute, and could result in investigation and sanctions, as outlined in the Student Academic Misconduct Policy. UNLV students enrolled in online courses are also expected to read and adhere to the [Acceptable Use of Computing and Information Technology Resources Policy](https://www.it.unlv.edu/policies/acceptable-use-computing-and-information-technology-resources-policy), <https://www.it.unlv.edu/policies/acceptable-use-computing-and-information-technology-resources-policy>, which prohibits sharing university accounts with other persons without authorization. To the greatest extent possible, all graded assignments and assessments in UNLV online courses should be hosted in WebCampus-Canvas or another UNLV-managed platform that requires ACE login credentials for access.

Incomplete Grades

The grade of “I” (Incomplete) may be granted when a student has satisfactorily completed three-fourths of course work for that semester/session, but cannot complete the last part of the course for reason(s) beyond the student’s control and acceptable to the instructor, and the instructor believes that the student can finish the course without repeating it. For undergraduate courses, the incomplete work must be made up before the end of the following regular semester. 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 period indicated, a grade of “F” will be recorded, and the student’s GPA will be adjusted accordingly. Students who are fulfilling an Incomplete grade do not register for the course, but make individual arrangements with the instructor who assigned the “I” grade.

Library Resources

Librarians are available to consult with students on research needs, including developing research topics, finding information, and evaluating sources. To make an appointment with a subject expert for this class, please visit the [Libraries’ Research Consultation](https://guides.library.unlv.edu/appointments/librarian) website, <https://guides.library.unlv.edu/appointments/librarian>. You can also [ask the library staff](https://ask.library.unlv.edu/) questions via chat and text message at <https://ask.library.unlv.edu/>.

Missed Classwork

Any student missing class, quizzes, examinations, or any other class or laboratory work because of observance of religious holidays will be given an opportunity during that semester to make up the missed work. The make-up opportunity will apply to the religious holiday absence only. It is the responsibility of the student to notify the instructor within the first 14 calendar days of the course for Fall and Spring courses (except for modular courses), or within the first 7 calendar days of the course for Summer and modular courses, of their intention to participate in religious holidays which do not fall on state holidays or periods of class recess. For additional information, please visit the Missed Classwork policy, under Registration Policies, on the [Academic Policies](https://catalog.unlv.edu/content.php?catoid=39&navoid=10666) webpage, <https://catalog.unlv.edu/content.php?catoid=39&navoid=10666>.

In accordance with the policy approved by the Faculty Senate regarding missed class time and assignments, students who represent UNLV in any official extracurricular activity will also have the opportunity to make up assignments, provided that the student submits official written notification to the instructor no less than one week prior to the missed class(es).

The spirit and intent of the policy for missed classwork is to offer fair and equitable assessment opportunities to all students, including those representing the University in extracurricular activities. Instructors should consider, for example, that in courses which offer a “Drop one” option for the lowest assignment, quiz, or exam, assigning the student a grade of zero for an excused absence for extracurricular activity is both contrary to the intent of the Faculty Senate’s policy, and an infringement on the student’s right to complete all work for the course.

This policy will not apply in the event that completing the assignment or administering the examination at an alternate time would impose an undue hardship on the instructor or the University that could be reasonably avoided. There should be a good faith effort by both the instructor and the student to agree to a reasonable resolution. When disagreements regarding this policy arise, decisions can be appealed to the Department Chair/School Director, College/School Dean, and/or the Faculty Senate Academic Standards Committee.

For purposes of definition, extracurricular activities may include, but are not limited to academic recruitment activities, competitive intercollegiate athletics, fine arts activities, liberal arts competitions, science and engineering competitions, and any other event or activity sanctioned by a College/School Dean, and/or by the Executive Vice President and Provost.

Rebelmail

Rebelmail is UNLV’s official email system for students and by University policy, instructors and staff should only send emails to students’ Rebelmail accounts. Rebelmail is one of the primary ways in which students receive official University communications, information about deadlines, major Campus events, and announcements. All UNLV students receive a Rebelmail account after they have been admitted to the University. Sending emails within WebCampus-Canvas is also acceptable.

Title IX

UNLV is committed to providing an environment free of all forms of unlawful discrimination including sexual and gender-based discrimination, harassment, and violence like sexual assault, intimate partner violence, and stalking. If you, or someone you know, has experienced or is experiencing these types of behaviors, know that you are not alone. Resources and support are available. To learn more or to report an incident, please visit the [Office of Equal Employment and Title IX website](https://www.unlv.edu/compliance) at <https://www.unlv.edu/compliance>. Please be aware that as an instructor, I am not a confidential resource, and I will need to report incidents of sexual misconduct to UNLV’s Title IX Coordinator. You can also report concerns directly using the [online reporting form](https://cm.maxient.com/reportingform.php?UnivofNevadaLasVegas&layout_id=18), at https://cm.maxient.com/reportingform.php?UnivofNevadaLasVegas&layout_id=18, or [via email](mailto:titleixcoordinator@unlv.edu) at titleixcoordinator@unlv.edu or 702-895-4055. For confidential support in matters of sexual violence, relationship/family violence, or stalking, contact [the Care Center](https://www.unlv.edu/carecenter) at <https://www.unlv.edu/carecenter> or 702-895- 0602.

Tutoring and Coaching

The Academic Success Center (ASC), at the Claude I. Howard Building, 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, please visit the [ASC website](https://www.unlv.edu/asc), <https://www.unlv.edu/asc>, or call 702-895-3177. The ASC is located across from the Student Services Complex (SSC). Academic success coaching is located on the second floor of SSC A, Room 254. Drop-in tutoring is located on the second floor of the Lied Library, and on the second floor of the College of Engineering building (TBE A 207).

UNLV Writing Center

One-on-one or small group assistance with writing is available free of charge to UNLV students at the [Writing Center](https://writingcenter.unlv.edu/), <https://writingcenter.unlv.edu/>, located in the Central Desert Complex, Building 3, Room 301 (CDC 3-301). Walk-in consultations are sometimes available, but students with appointments receive priority assistance. Students may make appointments in person or by calling the Center, telephone 702-895-3908. Students are requested to bring to their appointments their Rebel ID Card, a copy of the instructions for their assignment, and two copies of any writing they have completed on their assignment.

988 FREE 24/7 SUICIDE & CRISIS LIFELINE

In addition to campus resources such as the [Counseling and Psychological Services \(CAPS\)](https://www.unlv.edu/caps) website at <https://www.unlv.edu/caps>, visiting the [YOU@UNLV website](https://you.unlv.edu/) at <https://you.unlv.edu/>, and [Early Alert](https://www.unlv.edu/graduatecollege/academy/early-alert) (for graduate students, at <https://www.unlv.edu/graduatecollege/academy/early-alert>), you may now [call or text 988](https://988lifeline.org) or [chat at 988lifeline.org](https://988lifeline.org) if you or someone you know is in crisis and in need of support.