

Syllabus for GEOL 490 Virtual Economic Field Camp Summer 2021

Instructor: Dr. Renee Love

Office Hours: After lunch until the end of the regular work day.

Schedule:

Before class, you will watch the lecture for the day and prepare any materials needed for class. Each day, we will meet in the zoom lecture room **ZOOMLINK** at 10:00 AM every morning (Pacific time) and be working together for the next 2 hours, unless otherwise announced. In general, afternoons will be open for you to work with your team members or by yourself. Staff will be available in the afternoons to help with questions until 5:30 PM every day. Homework and assignments are due before 11:59 PM on the listed day.

Plans may change due to the newness of this course, but we will try to stick to this schedule as best we can.

You will be required to participate in breakout rooms, real-time surveys, as well as evaluations of the course throughout the duration of the class. These data will be very important for the improvement of the course as well as bridging the gap between the virtual and the traditional field camp experience.

Goal:

The primary goal of GEOL 490 is to improve your abilities to observe, describe, and interpret geological relationships in a 3D environment. This course will draw on your collective classroom experiences from physical geology, geomorphology, sedimentology, stratigraphy, structural geology, and igneous/metamorphic petrology. Ultimately, you will integrate these skills to solve geologic problems in the field. This course will focus on compile the disparate parts of your geological education in order for you to develop the framework with which to problem-solve, synthesize, and draw conclusions from variable datasets and observations.

Grading:

10 points Rock ID Survey
30 points Notebook Activity
30 points Strike and Dip lab/homework
20 points Recreate Map Patterns + Discussion
30 points Cross-section
10 points MC selfie
30 points MC traverse
50 points Rochester
100 points Hecla assignment (Imago – 40%, Leapfrog 10%, Minecraft + report 50%)
30 points Well-correlation
100 points Block Mountain MC
20 points Notebook notes

20 points Final Exam
40 points Participation + Attendance

Total:570 points

Failure to complete any assignment will result in a failed grade.

Final grades: A ($\geq 90\%$), B (80%), C (70%), although we may adjust the grade boundaries downward, depending on how the numerical scaling works.

Help and Collaboration vs. Plagiarism

You need to ask the instructors for advice when you are having trouble; they always have suggestions about how to proceed. If you are having problems of any nature, please talk to me, and I will try to help.

Collaboration in the form of discussion, sharing ideas, and helping one another is encouraged; you will learn more the more you talk about the geology. Given this open environment, do understand that **what you turn in must be your own work**: each student will make, record, and turn in only his/her observations, and this will be strictly enforced. Each student will collect their locations, contacts, rock descriptions, and structural data.

Copying another's work, taking materials off the web or from a published paper, allowing your work to be copied or using or possessing answer keys (e.g., from other groups) are all forms of cheating. At the least, cheating will be penalized with a 0 for that project; at most expulsion from the class.

Office Hours and Email

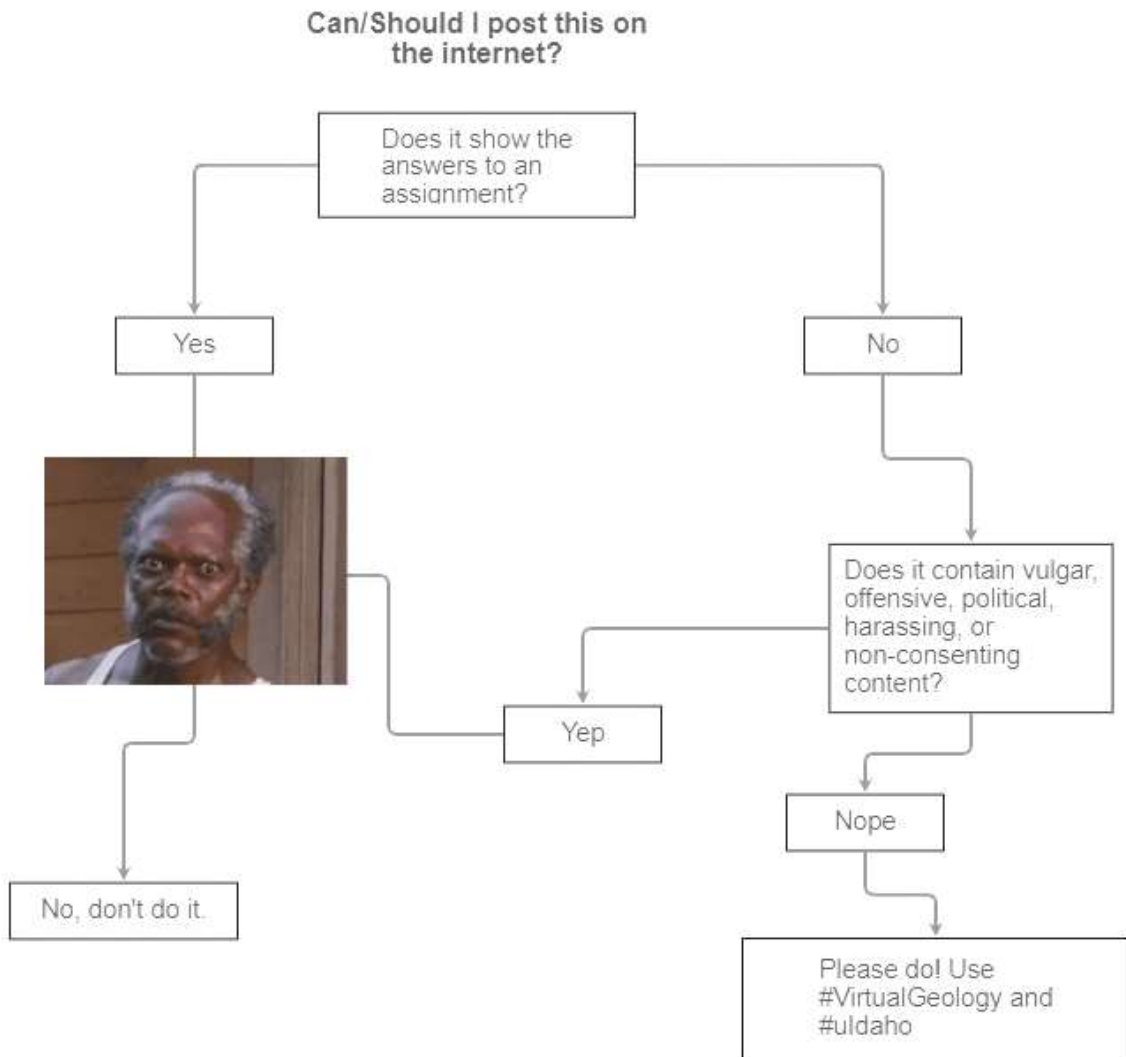
One professor or one TA will be available every afternoon for office hours to assist with questions. Additionally, you can email or contact us on blackboard. HOWEVER, emails that are received after 9:30 PM will not be dealt with until 9 AM the next day. Please work on figuring out what your questions are/will be well before the midnight deadlines.

Expectations

Traditional field camp is round-the-clock everyday. Luckily, the time that you would otherwise spend walking around, or driving to-and-from field sites will be given back to you! That time makes up ~30% of the 72 hours/week students typically put into their projects. Thus, the expectation is that you will spend 6-8 hours a day on these assignments depending on how you use your weekends.

GENERAL POLICIES:

1. Failure to follow course guidelines and instructions can result in reduction of your grade or removal from the course.
2. Do not do anything to embarrass yourself or your university, or that takes advantage of the good nature of the instructor.
3. Use this handy guide for posting things related to the class on the internet.



4. Any problems that develop should be brought to Dr. Rader's attention as soon as possible so they can be dealt with before they become more serious.

HAVE FUN!!