

GEOP 4332/5356 Seismic Methods

Geology room 409 T and Room 302 R 9:30 am -11:20 am

Instructor: Dr. Laura Serpa

Office: Geology 302a

Office Hours: Tuesdays 3-4 pm and by appointment

Phone: 747-6085

email: lfserpa@utep.edu

Text: none. There will be assigned readings from various textbooks and journals

Learning Objectives: *Students who pass this course will be able to design and conduct basic seismic reflection and refraction experiments to solve specific problems related to mapping the subsurface. They will be able to process and interpret the seismic data at a basic level also and to understand what the limits and potential applications are for the various seismic methods. This course is intended to give a fundamental understanding of seismic methods on which a student can build greater knowledge.*

This class is a **HYBRID** class which means that more than 50% of the course is online. **THIS IS NOT A LECTURE CLASS!** You will be expected to take an active role in the class meetings. **Computer and Internet use outside of class are absolutely required for this class.** You need to have your free UTEP email account activated for this course and you need to check it regularly. If you don't have one, go to <http://getmail.utep.edu> now to activate yours.

Process:

Check Blackboard at least every other day to make sure you have the latest assignments and information. I will **not** modify a Blackboard assignment or due date to accommodate individual students. The due dates are absolute and there is no way to hand in late work or take quizzes after they have closed. You will be given zero credit for work not done and turned in on time. I would prefer to see something incomplete turned in for partial credit than nothing at all.

Before each class:

- * Read the assigned materials--make sure you have done this *before* class
- * Identify concepts that are central to understanding the topics to be discussed
- * Prepare a list of questions from the reading for which you need further clarification
- * Answer the assigned questions and submit them before class begins

During each class:

- * There will be quizzes and activities throughout the class (stay awake!)
- * Take careful notes
- * Be an active participant—including all classroom activities and discussions. This is a small enough class that I will be able to tell if you are not contributing.

Turn your cell phone ringer off! Anyone can make a mistake once but I will start taking points off of your grade if it happens more often.

POLICY ON CLASS PARTICIPATION: You are expected to come to class prepared to discuss the assigned topic. You should have a good understanding of the reading and bring a calculator, ruler, and paper to use during class. Arriving late for class and/or coming unprepared will significantly reduce your grade for the class.

DISABILITY STATEMENT: If a student has or suspects he/she has a disability and needs an accommodation, he/she should contact the Disabled Student Services Office (DSSO) at 747-5148 or at dss@utep.edu or go to room 106 Union East Building. The student is responsible for presenting to the instructor any DSS accommodation letters and instructions.

MILITARY STATEMENT: If you are a military student with the potential of being called to military service and/or training during the course of the semester, you are encouraged to let me know well in advance.

POLICY ON MAKE-UP EXAMINATIONS: **NO** make-up exams will be given for reasons other than illness (doctor's note required), absence with the instructor's prior approval, or when a student is on official University business (documentation required). There are no make ups for quizzes or in class activities. If you arrive late and miss something, it is your responsibility to get the information or assignment on your own.

POLICY ON ACADEMIC HONESTY: Academic Dishonesty will not be tolerated. All university guidelines will be strictly followed. Please read these guidelines carefully. If you have any questions regarding the university policy please contact the Dean of Students.

Grading:

class activities, homework, & quizzes	25
Lab	25
Exams (2)	25 each
Total	100 pts

91-100 = A, 81-90 = B, 71-80 = C, 61-70 = D, 0-60 = F

All students will write at least 2 major lab reports. Graduate students will be expected to conduct extensive background research and produce a more professional report than undergraduates in the class but everyone is expected to work to the best of their abilities. Graduate students also will read a series of assigned papers, write and present summaries of the topics to the class during the semester.