

Tentative Syllabus for Non-Seismic Methods (Serpa part only)

Spring 2016 **GEOP 4334 & 5356**

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Objective:

This class is intended to give students a practical knowledge of the basic non-seismic geophysical techniques used for subsurface exploration. After completing this course students should be able to identify the best techniques to solve various exploration problems and know how to use them and what limitations and potential problems might exist with each method.

There is no specific textbook but there will be regular reading assignments from a variety of sources

Process:

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 embedded in all lectures (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.

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	20
Lab activities & assignments.....	20
Lab reports	10 each
Exams (2)	20 each
Total	100 pts

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.