

Subject name: Geophysics II (Practical)

Academic Year : 2024/2025
 Credit Hour : 2 hrs./week
 Course web page : <https://classroom.google.com>
 Class code : vkcrqe7
 Pre-requisites : Geophysics

Catalog Description: The study of seismic exploration (seismic refraction and reflection exploration) for (2) hrs./week, and supported by (3) hrs./week to applied seismic exploration including how to collect data, process and interpret it.

Reference Book:

Sharma (1997)

Reynolds (1998)

Course Outcomes:

The student will understand geoelectrical methods and seismology

Weekly Teaching Plan:

Week 1	Problem (1)
	Compute the resistance of some material
Week 2&3	Problem (2) + Problem (3)
	Resistance and Resistivity
Week 4&5	Problem (4) + Problem (5)
	Geometric factors for Schlumberger array + Geometric factors for Wenner array
Week 6&7	Problem (6) + Problem (7)

	Compute resistivity data + Plotting Resistivity curve
First Quiz	
Week 8	Problem (8)
	Interpretation the resistivity data (2 layer case)
Week 9	Problem (9)
	Interpretation the resistivity data (3 layer case)
Week 10	Problem (10)
	Interpretation the SP data
Week 11	Problem (11)
	Interpretation the EM data
Week 12&13	Problem (12) + Problem (13)
	Origin time of earthquake + determine the location of earthquake
Second Quiz	

Students Behaviour in Class

The students very slow respond to lectures because they bad in English.

Copy and Paste Policy: YES

Email Policy: dr.bashar91967@gmail.com
amawad@uomosul.edu.iq

Computer Usage:

All lectures use power point program

Teaching Techniques: Data Show

Grading Policy:

Two quizzes, (each 3pt)	20pt	Attendance is compulsory and absenteeism of more than 10% of classes will cause grade "NA".
Project I	20pt	
Final Exam	60pt	
Total	100pt	

Instructor : Lecture. Dr. Bashar Aziz Mahmoud
Lecture, Dr. Adil Murad Awad
Lecture. Zainab M. Shanshal

Room No. : 301

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