

مختبر الجيوفيزياء

ج 118 (قسم علوم الأرض والبيئة - كلية العلوم)	الموقع
الاستاذ امجد لبقرعان quran@yu.edu.jo	المشرف المسؤول
بحثي وتدريسي	وصف المختبر
1- Multi-Channel Analysis of Surface Waves (MASW). 2- Refraction Microtremor (ReMi). 3- Seismic Refraction/Reflection. 4- Ground Penetrating RADAR (GPR). 5- VES (Vertical Electrical Resistivity). 6- Electrical Resistivity Tomography (ERT). 7- Time Domain Electromagnetic (TEM). 8- Vibration Monitoring. 9- Magnetometry. 10-Ultrasonic Pulse velocity Testing.	الخدمات
الاجهزة	
GEA Seismograph (24 channels)  GEMINI2-Geophone 2Hz – 3D component	



ARES - Automatic Resistivity System

2D & 3D multichannel electrical resistivity measurements.



G-858 MagMapper Magnetometer

Measuring variations in earth's magnetic field due to anomalies of subsurface features.

Ground Penetrating Radar (GPR)

Investigating subsurface materials and buried objects using electromagnetic radar wave pulses, where high contrast in electromagnetic properties is existing between the ground and the objects being surveyed.

Transient Electromagnetic (TEM)

Investigating subsurface geology using induced electric currents and electromagnetic fields.



Ultrasonic Pulse Velocity Testing

Non-destructive testing using Ultrasonic Pulse Velocity in concrete, wood, ceramic, and other coarse-grained construction materials.



Interactive Seismic Interpretation

Interpretation of 2D, 3D, and 4D deep seismic data



