

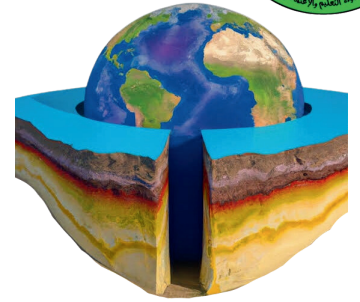


GEOPHYSICS DEPARTMENT



GEOPHYSICS

is a non-destructive investigation of the subsurface and the study of the physics of the earth and its environment in space, Geophysics can also assess natural hazards like earthquakes and volcanoes.



BRANCHES

Potential Methods

Seismic Methods

Well Logging

PROGRAMS

- Seismic method
- Fluid Dynamics
- Seismology
- Electric Method
- Magnetic Method
- Electromagnetism
- Borehole Geoph.
- Well Logging
- Gravity Method
- Remote Sensing
- Ground Penetrating Radar
- Radiometry

*Besides Geology, Mathematics and Physics

GEOPHYSICAL APPLICATIONS

- Aquifers investigation
- Groundwater Contamination
- Metals detect
- Mining
- Geohazards
- Geothermal investigation
- Forensic
- Hydrocarbon exploration
- Astro-geophysics
- Landfills design
- Civil engineering
- Archaeology
- Earthquakes analysis

CAREERS

- Oil and gas companies in their various jobs.
- Mining companies.
- Groundwater companies.
- Archaeological surveys.
- Atomic Energy Authority.
- Nuclear Materials Authority.
- National Authority for Remote Sensing and Space Sciences
- Petroleum Research Institute
- National Research Institute of Astronomy and Geophysics (NRIAG).
- General Survey Authority
- Research Institute for Groundwater.
- Desert Research Center, Egypt
- Working in water, drilling, construction, and engineering consulting companies
- Road and bridge engineering in contracting companies
- Consultant on the topography and characteristics of the region before building large projects.
- The field of teaching in universities.
- An officer in the armed forces specializing in the field of earth sciences.
- National Institute For Oceanography & Fisheries