PHY 312: Seismic Methods  2 Units

Department of PHYSICS

Covenant University
1. PHY312

1.1. PHY 312: Seismic Methods  2 Units

Prerequisite: PHY 223 & PHY 226

Elastic waves and propagation parameters, seismic velocities in rocks, seismic instruments, reflection geometry, normal move-out, dynamic move-out, common-depth point, reflection data acquisition, static and dynamic correction, data processing, migration and interpretation; refraction geometry, horizontal interface, intercept time method, mapping of dipping interface, irregular interface, refraction data acquisition, correction and interpretation, application of seismic surveys.