

Dive into the world of geophysics

Explore our beginner-friendly **Basic Geophysics** series, designed to demystify the complexities of seismic data and its role in exploring the earth's subsurface. This series is perfect for those new to the field or looking to refresh their knowledge. Enroll now and take the first step towards understanding the earth's hidden mysteries.

Series Overview:

- **Understanding Seismic Data:** Learn the basics of how seismic data represents subsurface rock parameters, including structure, lithology, and pore materials.
- **Data Acquisition:** Get to know the methods of land and marine seismic data collection and the initial steps to process this data.
- **Seismic Images:** Discover how two-dimensional and three-dimensional seismic images are produced and what they tell us about the earth below.
- **Resolution Limits:** Explore the limits of vertical and horizontal resolution in seismic data and why they matter.
- **Reservoir Parameters:** Find out how seismic data can measure reservoir parameters and guide development, including an introduction to AVO and seismic attributes.
- **Imaging Techniques:** Understand the various approaches to seismic imaging and the importance of the velocity model.
- **Emerging Technologies:** Learn about new technologies like seismic inversion and their role in defining rock properties.
- **Reservoir Monitoring:** Gain insight into the value of time-lapse seismic surveys for monitoring reservoirs.

Enhance your skills at your own pace with our versatile training options. Whether you prefer the flexibility of **self-paced learning**, the structured support of **blended courses**, or the personal touch of **in-person sessions**, we have a training solution to suit your needs.

Series Formats:



Individual
Courses



Classroom
Sessions



eLearning
Series

For more
information:

www.petroskills.com/seismic



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