PetroSkills

Seismic Inversion and Attributes - Virtual Short Course - Instructor-led + eLearning

COURSE

About the Course

This short course is a blend of self-paced online modules, virtual instructor-led lectures, problem assignments, virtual instructor-led problem debriefs with real-world application examples and knowledge sharing.

Over two days, this course includes approximately 2 hours of virtual, instructor-led training, plus 4 hours of e-Learning. See full schedule

This PetroAcademy short course is designed to familiarize anyone using seismic data with the principles of Inversion and attributes and how they are used in an interpretation. One of the key goals is to explain the large and confusing amount of jargon that is used by the geophysical community when they use seismic data.

This short course is part of our Basic Geophysics (BGP) program.

See the full BGP Short Course listing here

Target Audience

Geoscientists, engineers, team leaders, geoscience technicians, asset managers, and anyone involved in using seismic data that needs to understand and use this data at a basic level or to communicate with others that use it.

You Will Learn

Participants will learn how to:

- Explain the seismic inversion processes, both forward and inverse
- Identify relative and absolute impedance in seismic inversion
- Identify the inversion algorithms and their application

Course Content

BLENDED LEARNING WORKSHOP STRUCTURE

This program is comprised of the following activities:

Activity	Hours (Approx)	Subjects
Day 1		
e-Learning	2.50	Seismic Inversion Relative and Absolute Impedance in Seismic Inversion Inversion Algorithms Attributes Spectral Decomposition and Spectral Notching Attenuation, Q, and Hilbert Transform Multi-Trace Attributes Self-Organizing Maps Additional Considerations for Attributes
Day 2		
Virtual Instructor-Led Session	2.00	Instructor Debrief / Problems
e-Learning	1.50	*Optional e-Learning Content:* • *Seismic Attributes for Prospect Identification and Reservoir Characterization Articles* • *Prestack Geometric Attributes* • *Log Input for Rock Physics* • *Seismic Inversion* • *Acoustic Impedance Inversion* • *Attributes Workflow* • *Spectral Decomposition and Wavelet Transforms* • *Seismic Processing Basics*

Product Details

Categories: Upstream

Disciplines: Geophysics

Levels: Basic

Product Type: Course

Formats Available: Virtual

Instructors: Tom Temples