

1	Course Title	3D Seismic Survey
2	Course Overview	This course provides an in-depth exploration of 3D seismic surveys, a critical technology used in the exploration and development of oil and gas resources. Participants will learn the principles of seismic data acquisition, processing, and interpretation, with a specific focus on the advantages and challenges of 3D seismic technology. The course covers the entire workflow of a 3D seismic survey, from planning and data collection to advanced techniques for subsurface imaging and reservoir characterization.
3	Course Objectives.	<ul style="list-style-type: none"> • Understand 3D Seismic Principles: Gain a comprehensive understanding of the fundamental principles of 3D seismic surveying. • Survey Design and Planning: Learn how to design and plan a 3D seismic survey, including considerations for survey geometry, equipment selection, and logistical challenges. • Data Acquisition Techniques: Explore the methods and technologies used for acquiring high-quality 3D seismic data in various geological settings. • Data Processing: Understand the steps involved in processing 3D seismic data, from initial quality control to advanced imaging techniques. • Interpretation and Analysis: Develop skills in interpreting 3D seismic data to accurately map subsurface structures, identify hydrocarbon reservoirs, and assess reservoir properties. • Risk Reduction: Learn how 3D seismic surveys can be used to reduce exploration and development risks, leading to more informed decision-making.
4	Who Should Attend.	Geologists Exploration Managers Reservoir Engineers Seismic Data Processors Technical Support Staff Decision Makers:
5	Course Methodology	<ul style="list-style-type: none"> • Lectures and Presentations. • Software Demonstrations. • Practical Exercises. • Case Studies. • Group Discussions. • Assessment.