



Foundations of Petrophysics - FPP - Virtual, Blended Delivery

COURSE

About the Course

Duration: Approximately 40 hours of self-paced, online work.

Petrophysics is fundamental to all aspects of the petroleum business. Principles, applications, and integration of petrophysical information for reservoir description will be discussed in depth. Through a series of online learning activities, participants will learn how to conduct competent quicklook evaluations. Using data from open hole logs, logging-while-drilling, and core data you will evaluate porosity, permeability, and saturation in a variety of reservoirs. Knowing how to integrate petrophysical information with other data sources will improve participants' ability to assess technical risk when examining hydrocarbon opportunities.

[See example online learning module](#)

Target Audience

Geoscientists and engineers with less than twelve months experience using petrophysical data and other technical staff at all experience levels needing core knowledge in the petrophysics discipline

You Will Learn

Participants will learn how to:

- Understand and apply at a basic level the theory and operation of major petrophysical tools
- Calibrate porosity and permeability values from core and log sources for improved saturation calculations
- Apply basic open hole logging, borehole seismic, image, and LWD/MWD
- Analyze and integrate log, core, geoscience, and engineering well data for well and field development projects
- Select petrophysical tool combinations for specific applications
- Assess the impact of petrophysical analyses on technical uncertainty estimates of reservoirs

Course Content

This course is comprised of the following skill modules (Approx. 4 Hours Each)

- Introduction and Overview of Petrophysics
- Mud Logging, Coring, and Cased-Hole Logging Operations
- Porosity Logging (Density, Neutron, and Sonic)
- Gamma Ray & SP Logging
- Formation Testing
- Core Analysis
- Resistivity Logging Tools & Interpretation
- Petrophysical Evaluation
- Special Petrophysical Tools: NMR & Image Logs

Product Details

Categories: [Upstream](#)

Disciplines: [Petrophysics](#)

Levels: [Foundation](#)

Product Type: [Course](#)

Formats Available: [On-Demand](#) [Virtual](#)

Instructors: [PetroSkills Specialist](#)

On-Demand Format

| Course | On-Demand (Available Immediately)

\$3,500.00
