



## 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.

#### 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)

- Petrophysical Data & Open-Hole Logging Operations
- 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

---