



## Reservoir Characterization: A Multi-Disciplinary Team Approach - RC

### COURSE

#### About the Course

The modern team approach to Reservoir Characterization describes productive zones more reliably through the integration of disciplines, technology, and data. Increase your proven reserves, discover by-passed pay, reduce development time and costs, improve production rates, and rejuvenate old fields through the skills learned in this course.

The course is process-based and focuses upon:

- Understanding the applicability of measurements and interpretations from the participant's discipline to other adjacent disciplines
- Understanding information from other disciplines, and the uncertainties and risks involved in its gathering/interpretation
- Awareness of the latest technologies and working principles evolving on the cutting edge of the industry
- Managing a complex project to solve business problems in the most efficient manner, particularly when working in a difficult environment (multi-disciplinary teams, sponsors and bosses outside your expertise, cross purposes from disciplines)
- Working with both probabilistic and deterministic multiple working hypotheses throughout a hydrocarbon project

During the course, particular attention will be paid to uncertainties and risks. It will be shown how these can be handled and their impact on the economics of hydrocarbon projects. The instructor is willing to accept examples from your company for analysis in the class as one of the demonstration exercises. It is also possible to design a course specifically for your own company around such a case study. Please contact PetroSkills for a list of the information and support data required, as well as the necessary lead-time.

This course covers conventional reservoirs.

*"I absolutely enjoyed the project, especially when all team members became involved and contributed."* - Reservoir Engineer, Ghana

*"The application of learnt knowledge at the end of each topic was well organized."* - Petroleum Engineer, Barbados

#### Target Audience

Geologists, geophysicists, reservoir engineers, production engineers, petrophysicists, exploration and production managers, team leaders, and research scientists.

## You Will Learn

Participants will learn how to:

- To develop a business proposal for any Reservoir Characterization project
- To apply the concept of correlation length to understand reservoir continuity
- To define hydraulic flow units in a reservoir
- To assess the economics of oil and gas projects across their entire life cycle
- To carry out the integrated Reservoir Characterization process

## Course Content

- Business value drivers and selection criteria
- The scale and resolution of data
- Variograms, correlation length
- Time, rock, and flow units
- Seismic attributes
- Upscaling, streamline simulation
- Decision trees; value of information
- Giving and receiving feedback
- The future of Reservoir Characterization

## Product Details

Categories: [Upstream](#)

Disciplines: [Reservoir Engineering](#)

Levels: [Intermediate](#)

Product Type: [Course](#)

Formats Available: [In-Classroom](#) [Virtual](#)

Instructors: [PetroSkills Specialist](#) [Mohan Kelkar](#)