



## Introduction to Petroleum Geomechanics and its Application

### MODULE

#### About the Skill Module

This introductory skill module is designed to familiarize the learners with reservoir geomechanics, its fundamentals and terminology along with exploring methodologies used for solving problems associated with different subsurface operations.

#### Target Audience

Geoscientists, petrophysicists, completion and drilling engineers, or anyone involved in unconventional reservoir development.

#### You Will Learn

Participants will learn how to:

- Recognize the significance of rock mechanics and petroleum geomechanics in development of hydrocarbon resources and other subsurface operations.
- Identify applications of geomechanics for optimization and risk mitigation for several different subsurface operations.
- Use the basic terminology of petroleum geomechanics e.g., in-situ stresses, pore pressure, failure criteria, constitutive models, fracture networks, and several other terms.
- Describe the basic principles of rock mechanics and its problem-solving techniques for different geomechanical problems such as borehole stability, sand production, compaction and subsidence, caprock integrity, hydraulic fracturing and more.

#### Product Details

Categories: [Upstream](#)

Disciplines: [Petrophysics](#) [Unconventional Resources](#)

Levels: [Basic](#)

Product Type: Individual Skill Module

Format: On-Demand

Duration: 4 hours (approx.)

**\$395.00**