

Duration

Five (5) days

Objectives

This course provides the participants with a key understanding of equipment used in UBD operations as well as the different types of UBD techniques including air, mist, foam, gasified fluids, flow drilling, mud cap drilling and snub drilling and their specific field applications. The course will enable the participants to plan and design the underbalanced drilling job. The participants will also learn how to evaluate and avoid the potential problems of UBD such as water influx, mud rings, downhole fires, wellbore stability, and directional drilling equipment.

Content

- Introduction
- Benefits and Limitations
- Candidate and Technique Selection
- Equipment for Underbalanced Drilling
- Air, Gas and Mist Drilling
- Foam Drilling
- Gasified Fluid Drilling
- Mud Cap Drilling
- Snub Drilling
- Flow Drilling

Prerequisites

Basic knowledge of drilling, drilling fluids and well construction.

Audience

Drilling and drilling fluid engineers, superintendents and supervisors, and all professionals involved in well planning and operation