

Course Name

GC6. Lost Circulation Prevention and Control

Duration

Three (3) days

Objectives

This course provides participants with the theoretical and practical aspects of lost circulation. Participants will learn about the types, causes, mechanisms, and preventive and remedial measures of circulation loss. The course also discusses the basics of a comprehensive lost circulation management program including the use of lost circulation materials, wellbore strengthening materials, drilling fluid selection and best drilling practices.

Content

- Introduction
- Causes and Types
- Lost Circulation Materials
- Stop-Loss Pills
- Wellbore Strengthening
 - Stress Cage Model
 - Fracture Closure Stress Model
 - Fracture Propagation Resistance Model
- Drilling Fluid Selection
- Best Drilling Practices

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.