BASIC RESERVOIR SIMULATION

This is a course designed for reservoir engineers who are interested to learn some basic reservoir simulation techniques. This course covers fundamental concepts of reservoir simulation to model single-phase flow in petroleum reservoirs. Topics include reservoir engineering concepts, mathematical concepts, derivation of reservoir flow equations, finite difference approximations, and their solutions, and applications to predict reservoir performance.

The course will cover:

- Introduction to types of reservoir simulators as an effective tool for reservoir management
- Mathematical, physical and computational concepts that govern fluid flow in porous media
- Data requirements for simulation
  - Rock characterization
  - Petrophysical properties
  - Fluid properties
  - Initial conditions (pressure, temperature etc.)
  - Well data: type, location, production, injection
- Practical field results

More information contact Wallace International, LLC @ jwallace @Wallace-international.com