

Geomodelling

COURSE OVERVIEW

In this course, we would like to take a different approach to all the other industry training on the subject and present a practical workflow on how to build a geomodel that can be effectively used for reservoir simulation. We emphasize the practical application of the geomodel for business decisions over the complicated geology or latest software advancements. We go through an entire process of building a geomodel and review multiple case studies for all major depositional environments. A strong emphasis is made on capturing uncertainty at every step of the geo-modelling workflow. There is a healthy split between the presentation and exercise parts of the course and all the information presented is directly applicable to your day-to-day activities as a reservoir modeller.

WHO SHOULD ATTEND?

Geologists, Geophysicists, Petrophysicists, and Engineers who wish to develop a better understanding of building a static reservoir model that is used for hydrocarbon volume estimation and reservoir simulation in development planning.

COURSE OUTCOMES

Delegates will gain knowledge and skills to:

- Input data used to build a static reservoir geomodel
- Build a structural frame for the geomodel
- Divide the reservoir into depositional blocks
- Distribute porosity, permeability and saturation with geology in mind
- Evaluate the uncertainty of the resulting geomodel
- Effectively hand over the static geomodel to be used for simulation

KEY COURSE HIGHLIGHTS

At the end of the course, you will understand:

- How to build a practical skillset, without being overloaded with theory
- Case studies for building geomodels for all major depositional environments
- Multiple exercises for almost every step of the model building workflow
- Emphasis on learning to build a geomodel that reservoir engineers can effectively use for simulation studies
- The independence of software as the information presented can be applied to any model building software package.

All our courses are dual-certificate courses. At the end of the training, the delegates will receive two certificates.

1. A GTC end-of-course certificate
2. Continuing Professional Development (CPD) Certificate of completion with earned credits awarded