

Description and Interpretation of Siliciclastic Well Core

COURSE OVERVIEW

This course is conducted at the United States Geological Survey Core Research Center (USGSCRC) in Lakewood, Colorado, USA – one of the largest laboratories in the world where core is collected and stored. Not only is there a large room where several hundred meters of core can be displayed at a time but there is also a classroom where lectures can be delivered. The course will run for 5-days and participants will get to log at least 300 meters of core on a cm-scale. We believe that one learns by doing and not watching and at the end of the course participants will be confident in their ability to describe and interpret siliciclastic core from common shallow and deep marine environments of deposition.

WHO SHOULD ATTEND?

Geologists, Geophysicists, Petrophysicists, and Engineers who want to maximize their learning from well core and be able to evaluate core reports done by partners in joint ventures.

COURSE OUTCOMES

Delegates will gain knowledge and skills to:

- Ability to measure grain size and sorting
- Identification of common marine trace fossils
- Building a sequence stratigraphic framework
- Documenting facies associations
- Interpreting environments of deposition
- Creating electrofacies

KEY COURSE HIGHLIGHTS

At the end of the course, you will understand:

- Logging bioturbation index and identification of the top 10 most common marine trace fossils
- Core logging and interpretation of the environments of deposition after completion of description
- How to approach a core facility, equipment and instruments, photographing core, washing core, measuring grain-size and sorting and identification of lithology
- Comparison of core with borehole image and gamma ray logs and correlation/mapping using electrofacies
- Lecture on common river-wave and tide influenced depositional environments in a shallow marine setting: Shorefaces, Deltas, Incised Valleys and Shelf-Sand Ridges

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