DI TRANSFORM TRAINING CURRICULUM

Transform courses are paid in-depth training classes designed to assist the new or experienced user to accomplish key workflows with hands-on, instructor-led exercises. Courses are half-day modules and cover topics from data loading and visualization through interpretation, velocity modeling and multivariate statistics.

Each 3-hour course costs $250 per person and includes access to a training computer with appropriate datasets and access to electronic copies of training materials which can be used as a desktop reference after the training course. Where possible, public datasets are used, allowing us to share the training projects with customers. Lunch and beverages during breaks will be provided. Unless otherwise indicated, classes run from 9:00 a.m. to 12:10 p.m., or 12:50 p.m. to 4:00 p.m.

INTRODUCTORY MODULES

VIEWING DATA IN DI TRANSFORM

For: Technicians, support staff and geoscientists involved in project preparation
Duration: 1/2 day
Prerequisite(s): none
Introduction to the Transform user interface, data organization & displays. Overview of creating displays in three dimensional space, two dimensional basemap views, and log views. A related in-class project will be completed, followed by discussion, questions, and extended discussions of further workflows as time permits.

PREPARING AND QCING DATA IN DI TRANSFORM

For: Technicians, support staff and geoscientists involved in project preparation
Duration: 1/2 day
Prerequisite(s): none
Examines the usage of well lists, histograms, and mapping tools to QC data. Various extraction methods will also be discussed. A related in-class project will be completed, followed by discussion, questions, and extended discussions of further workflows as time permits.

DATA IMPORT I

For: Technicians, support staff and geoscientists involved in project creation
Duration: 1/2 day
Prerequisite(s): none
Well Data is the focus of this module. We'll explore the ins and outs of importing well locations, surveys, logs, and tops. A related in-class project will be completed, followed by discussion, questions, and extended discussions of further workflows as time permits.

DATA IMPORT II

For: Technicians, support staff and geoscientists involved in project creation
Duration: 1/2 day
Prerequisite(s): none
This class will focus on seismic and horizon imports, along with well time-depth models and microseismic data. A related in-class project will be completed, followed by discussion, questions, and extended discussions of further workflows as time permits.

IT/DB ADMIN MODULES

INSTALLATION COURSE

For: Technicians, support staff and geoscientists involved in software installation and maintenance
Duration: 1/2 day
Prerequisite(s): none
Introduction to the Transform user interface, data organization & displays. Overview of creating displays in three dimensional space, two dimensional basemap views, and log views. A related in-class project will be completed, followed by discussion, questions, and extended discussions of further workflows as time permits.

GEOLOGY MODULES

GEOLOGY I

For: Geoscientists
Duration: 1/2 day
Prerequisite(s): An Introductory module or experience using Transform
Fundamental workflows involving structural mapping, cross-section creation and tops interpretation will be explored in this class. A related in-class project will be completed, followed by discussion, questions, and extended discussions of further workflows as time permits.

GEOLOGY II

For: Geoscientists
Duration: 1/2 day
Prerequisite(s): An Introductory module or experience using Transform
This class will focus on Raster Log depth registration and digitizing into LAS curves. A related in-class project will be completed, followed by discussion, questions, and extended discussions of further workflows as time permits.

GEOLOGY III

For: Geoscientists
Duration: 1/2 day
Prerequisite(s): An Introductory module or experience using Transform
The features associated with the Advanced Geology license will be the focus of this module, including Automated Tops Picking, Structural Models, and the Well Targeting Workflow. A related in-class project will be completed, followed by discussion, questions, and extended discussions of further workflows as time permits.

ANALYTICS MODULES

ANALYTICS I

For: Geoscientists and Engineers
Duration: 1/2 day
Prerequisite(s): An Introductory module or experience using Transform
We will not only explore the use of histograms and crossplots for initial data analysis, but we'll look at using the Multivariate Statistics (MVStats) classification tools (Unsupervised, Hierarchical, and Supervised) to locate patterns in data. A related in-class project will be completed, followed by discussion, questions, and extended discussions of further workflows as time permits.

ANALYTICS II

For: Geoscientists, Engineers, and Petrophysicists involved in statistical integration of field data.
Duration: 1/2 day
Prerequisite(s): An Introductory module or experience using Transform
This course will focus entirely on using the regression modeling (linear and non-linear) workflows in Transforms powerful Multivariate Statistics (MVStats) package. A related in-class project will be completed, followed by discussion, questions, and extended discussions of further workflows as time permits.

MICROSEISMIC MODULES

MICROSEISMIC I

For: Geoscientists
Duration: 1/2 day
Prerequisite(s): An Introductory module or experience using Transform
Microseismic events and treatment data will be imported and visualized in Transform. Three dimensional views, log vies and crossplots will be addressed. A related in-class project will be completed, followed by discussion, questions, and extended discussions of further workflows as time permits.

MICROSEISMIC II

For: Geoscientists
Duration: 1/2 day
Prerequisite(s): An Introductory module or experience using Transform
This class will focus on creating various analysis sets and subsets, stimulated rock volume metrics, geobodies, and plane analyses. A related in-class project will be completed, followed by discussion, questions, and extended discussions of further workflows as time permits.

MICROSEISMIC PROCESSING I

For: Geoscientists
Duration: 1/2 day
Prerequisite(s): An Introductory module or experience using Transform
Overview of Microseismic Processing and QC, examining the Gather view, detection and picking. A related in-class project will be completed, followed by discussion, questions, and extended discussions of further workflows as time permits.

MICROSEISMIC PROCESSING II

For: Geoscientists
Duration: 1/2 day
Prerequisite(s): Microseismic Processing I
Data loading techniques specifc to MS-QC, including signal data, receiver arrays, arrival picks, location sources, and events. A related in-class project will be completed, followed by discussion, questions, and extended discussions of further workflows as time permits.

MICROSEISMIC PROCESSING III

For: Geoscientists
Duration: 1/2 day
Prerequisite(s): Microseismic Processing II
Microseismic QC workflows will be introduced, including receiver orientation, velocity modeling, event location, and magnitude estimation. A related in-class project will be completed, followed by discussion, questions, and extended discussions of further workflows as time permits.

GEOPHYSICS MODULES

GEOPHYSICS I

For: Geoscientists
Duration: 1/2 day
Prerequisite(s): An Introductory module or experience using Transform
This module will focus on seismic processing, spectral decomposition, rendering/co-rendering data in 3D, and vertical sections views. A related in-class project will be completed, followed by discussion, questions, and extended discussions of further workflows as time permits.

GEOPHYSICS II

For: Geoscientists
Duration: 1/2 day
Prerequisite(s): An Introductory module or experience using Transform
Velocity modeling, datums and synthetics creation will be the focus of this course. A related in-class project will be completed, followed by discussion, questions, and extended discussions of further workflows as time permits.

GEOPHYSICS III

For: Geoscientists
Duration: 1/2 day
Prerequisite(s): An Introductory module or experience using Transform
This class will give you time to explore automatic fault extraction and horizon/fault interpretation. A related in-class project will be completed, followed by discussion, questions, and extended discussions of further workflows as time permits.