

Paradigm Online University

Learn what you need, when you need it.



Paradigm Online University provides a quick and easy way to maximize your investment. A wealth of training content is available **free of charge** to every registered customer.

- Videos
- Interactive modules
- Workflow guides
- Tutorials and documents
- More!

Benefits of Online Learning

Customers who use Paradigm Online University as an integral part of their organization's training function will enjoy numerous benefits:

- Real-time, 24/7 accessibility
- Increased productivity
- Quick uptake of technology through just-in-time learning
- Less time away from the job
- Maximum return on your investment in Paradigm software

Learn More

To learn more about Paradigm Online University and to watch a Welcome video, visit our Website at:

www.pdgm.com/Training/Online-University

**ADVANCED SCIENCE
FOR EVERYONE**

About Paradigm

Paradigm is the largest independent developer of software-enabled solutions to the global oil and gas industry. Customers rely on Paradigm software to discover and extract hydrocarbon resources and make better business decisions. Paradigm solutions span critical exploration and production disciplines, from seismic processing and imaging to interpretation and modeling, reservoir characterization, reservoir engineering, well planning and drilling, and data management.

Paradigm offers a rich portfolio of productivity tools and scientifically advanced applications for geologists, geophysicists and engineers who construct subsurface models from oilfield and other measurements. Paradigm solutions share a unified 3D visualization canvas and a network-based data management infrastructure.

Paradigm Global Training Program

In addition to providing training content online, Paradigm offers a wide range of instructor-led courses available in our offices worldwide. Our experts are also available to work with you to create customized courses that meet your needs. Visit our Website at: www.pdgm.com/training for more information and to find a course near you.

Training the Next Generation

Paradigm actively collaborates with universities to expand their students' college experience. As part of this collaboration, the geoscience students in any university participating in the Paradigm University Program will have free access to their licensed courses on Paradigm Online University. We are eager to help the next generation of geoscientists learn our technology, so that they may enter the workforce with a proven skillset to launch their careers.

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 **Paradigm®**

PARADIGM
ONLINE UNIVERSITY

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Examples of Courses Available on Paradigm Online University

EarthStudy 360® – Full Azimuth Angle Domain Imaging and Analysis

- 5D Local Angle Domain Gathers for Directivity Driven Imaging
- Azimuthally Dependent Analysis for Determining Fracture Intensity and Orientation
- Full Azimuth Illumination Analysis
- The EarthStudy 360 System

Echos® – Seismic Processing

- Getting Started in Echos
- Workload Management
- Constrained Velocity Inversion in Echos
- Velocity Navigator in Echos
- Frequency Enhancement

Epos® - Data Management and Interoperability

- Loading and QC of 3D Poststack Data
- Loading Well Data in Epos
- Seismic Compression Roaming
- Automating OpenGeo Testing with Testfarm
- New Features in OpenGeo
- Introduction to the Web Asset Manager (WAM)

Explorer™ – Velocity Modeling and Time-to-Depth Conversion

- Global Velocity Model Building
- Horizon and Seismic Depth Conversion
- Time Preserving Model-Based Tomography
- Velocity Modeling and Depth Conversion with Crossplot

GeoDepth® – Velocity Modeling and Imaging

- Working with QC RMO Attributes in 3D Tomography
- Anisotropy Velocity Parameters in Elastic Layered Media
- Anisotropy in Seismic Modeling and Imaging
- 3D Tomography
- Constrained Velocity Inversion
- Velocity Model Building

Geolog® – Formation Evaluation

- Creating a Project and Loading Data in Geolog
- Data Viewing, QC and Display in Geolog
- Interactive Data Creation and Editing in Geolog
- Correlator in Geolog
- Determin Uncertainty in Geolog
- Fuzzy Logic in Geolog
- Introduction to Facimage
- Pore Pressure Prediction in Geolog
- Shale Gas Workflow
- Pay Summary
- Creating Interval Logs in Geolog

- Evaluate in Geolog
- Mapsheet Posting in Geolog
- Parameter Picking in Geolog
- Single-Well Formation Testing in Geolog
- Splice Logs Tool
- Well Schematics Tool

Probe®/Vanguard® – Quantitative Seismic Interpretation

- AVAZ (Amplitude Versus Azimuth)
- Basic AVO Workflow in 3D Canvas
- Generating AVO Attributes from Well Data
- Introduction to Seismic Inversion in Paradigm
- Colored Inversion: A Quick Look at Rock Properties
- Creating Background Models for Inversion
- Prestack Maximum Likelihood Inversion
- Fluid Substitution
- Gather Conditioning

SeisEarth® – Multi-Survey Seismic Interpretation

- Seismic Mis-Tie Analysis and Correction
- Using Log Displays, Transformations and Crossplots
- Working with Templates in the Well Log Window
- Basic Gridding in 3D Canvas and BaseMap
- Creating Grids from Well Properties in BaseMap
- Examining and Interpreting Prestack Gathers in SeisEarth
- Using QC RMO Attributes to Map Gather Quality
- Automatic Fault Interpretation in 3D Surveys with FaultTrak
- Horizon Interpretation Using the 3D Propagator
- Interpretation Workflow for 2D Surveys
- Calculating Seismic Attributes On-the-Fly in 3D Canvas
- Geobody Interpretation Using Crossplot in 3D Canvas with Subvolume Detection in VoxelGeo
- Multi-Attribute Color Blending
- Multi-Survey Volume Flattening
- Stratigraphic Interpretation Workflow in 3D Canvas
- Using the Seismic Attributes Calculator

Seismic Imaging

- Kirchhoff Imaging
- Modeling and Imaging with Reverse Time Migration

SKUA-GOCAD™ – Subsurface Modeling

- Creating a Project and Importing Data in SKUA-GOCAD
- Introduction to Macro Commands in SKUA-GOCAD
- Navigating the User Interface and Managing Your Data in SKUA-GOCAD
- Using the Property Script Editor in SKUA-GOCAD
- Using the Slicer for QC Purposes in SKUA-GOCAD

- Working with Geologic Features in SKUA-GOCAD
- Modeling an Unconformity Using SKUA
- Updating a Surface with New Data in SKUA-GOCAD
- Modeling Facies Deposition Trends in SKUA-GOCAD
- Performing Bivariate Analysis in SKUA-GOCAD
- Variogram Analyzer
- Fault Compartmentalization and Fluid Saturation Modeling
- Flow Simulation Gridding in a Compressive Environment Using SKUA
- Importing and Displaying Microseismic and Related Data in SKUA-GOCAD
- SKUA Structure Uncertainty Workflow

StratEarth® – Well Log Correlation

- Getting Started with StratEarth
- How to Display Multi-Run Logs in Log Tracks
- Sending a Traverse to StratEarth
- Well Correlation in StratEarth

Stratimagic®/SeisFacies® – Facies Classification and Analysis

- 2D Seismic Facies Classification in Stratimagic/SeisFacies
- Creating Thickness Maps in Stratimagic
- Facies Classification and Analysis in Stratimagic and SeisFacies
- Interval Editing in Stratimagic

Synthetics Modeling

- Introduction to Well Calibration Using Zero-Offset Synthetic Modeling
- Checkshot Calibration and Drift Correction
- Well Calibration in the Time and Depth Domain

VoxelGeo® – Volume Visualization and Interpretation

- Detection Thickness Maps in VoxelGeo
- Using the Paintbrush Tool in VoxelGeo
- Working with Full Resolution Volumes in VoxelGeo

Workflow Guides

- Generating Rock Property Volumes Using Seismic Inversion (Vanguard)
- Geolog for Engineers
- Getting Started with Geolog
- Global Interpretation and Modeling Workflow (SKUA-GOCAD)
- Multi-Survey Seismic Interpretation Workflow (SeisEarth)

For a complete list of courses available on Paradigm Online University, go to www.pdgm.com/online-university. Courses are added and updated frequently, so check back often!