

Course Outline

Autodesk InfraWorks Fundamentals

Course Duration

Number of Hours: **16**

Number of Days: **2**

Teaching Methodology: **Hands on**

Course Description

The Autodesk InfraWorks Fundamentals training class is designed for Civil Engineers and Planners who need to quickly generate 3D models to create conceptual infrastructure designs and proposals or to view the final design using 3D geospatial data and design data.

Autodesk InfraWorks accelerates the design process and streamlines decision making by rapidly generating data-rich proposals for design alternatives under existing conditions. You will learn techniques enabling you to create, analyze, visualize, manage, and distribute 3D geospatial data.

Who should attend

The course is designed for Civil engineers and planners.

Notes

The indicated course length is a guideline. Topics and duration may be modified by the instructor based upon the knowledge and skill level of the participants.

Course description shown is designed for InfraWorks software. Topics, curriculum, and/or prerequisites may change depending on software version.



www.stanford-it-learning.com



mktg@stanford.cimtechnologies.com



+63 2 752 2468 loc. 12 or 38

Topics Covered

The Infracore Environment

- User Interface
- Data Sources, Panel Settings & Features
- Application Options and Asset Cards Overview
- Coordinate Systems
- Working with GIS

Navigation and Selection

- Navigation and Selection

Working with Styles

- Working with Styles
- Materials

Sourcing for Existing Conditions

- Terrain Data
- City Furniture

Creating the Design

- Propose Site Features
- Proposals
- Roads and Railways
- Coverages
- Trees
- Pipelines and Pipeline Connectors
- Water Areas
- Barriers
- Point of Interest

Analyzing Your Design

- Measurements
- Site Visual Effects and Statistics
- Working with Themes

Presenting Your Design

- Storyboards
- Snapshot
- Rendering Images

Sharing Your Design

- Sharing Your Design
- Publish Options & Design Feeds
- Scenarios
- InfraWorks and AutoCAD Civil 3D
- Working with Revit Models

Roadway Design Module

- Roadway Design Toolbar Overview
- Creating Design Roads and Intersections
- Road Editing Tools
- Road Analysis

Drainage Design Module

- Drainage Design Module
- Culverts
- Drainage Network

Bridge Design Module

- Introduction
- Exploring the Bridge Design Asset Card
- Creating Bridges
- Editing Bridges with Properties and Gizmos
- Bridge Analysis Tools

Required Software

Autodesk Infracore.

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