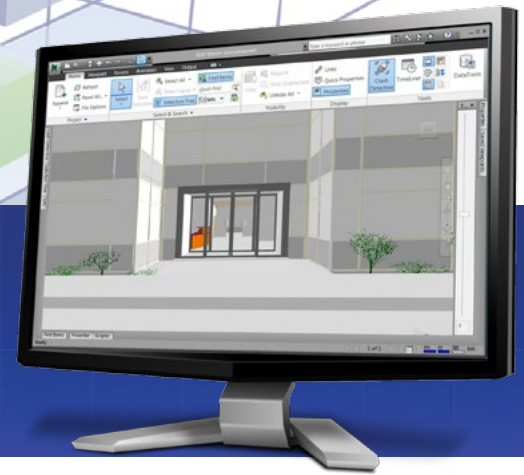


465647031

#	Abstract object	#
2	23890076670	208004
4	1454512345	12345
6		4567
8	123456789	987654321
10	2389007667100	67890
12	345678901	100000
14	456789012	123456789
16	567890123	987654321
18	678901234	100000000

CADLearning for Autodesk Navisworks 2014



Course Details

- ▶ 8+ hours of training
- ▶ 142 video tutorials
- ▶ Exercise files included
- ▶ Instructor: Michael Smith

Course Description

CADLearning® for Autodesk® Navisworks® 2014 teaches you the features and functions of the software. Lessons include exploring the selection tree, comparing models, using the animator interface, managing objects in animations, creating and managing scripts, applying light effects with presenter, understanding clash test reporting, quantifying model objects, and more.

Lesson Outline

Getting Started

- Exploring the User Interface
- Customizing Workspaces
- Manipulating File Units
- Managing Files
- Merging Files
- Working with Object Enablers
- Opening and Appending Files
- Introducing Revit Gridlines
- Publishing Files
- Navigating the Model
- Navigating with Realism Controls
- Using the Head Up Display
- Navigating with the Navigation Wheel
- Increasing Navigation Performance

- Setting the Autosave Feature
- Customizing Camera Views
- Navigating 2D and 3D Files
- Creating an Avatar
- Customizing the Appearance Profiler
- Understanding Navisworks Freedom, Simulate, and Manage

Review - Publisher

- Exploring the Selection Tree
- Highlighting Objects
- Reading Object Properties
- Creating Search Sets
- Hiding Objects
- Working with Selection Sets
- Overriding Materials

- Exploring the Measuring Tools
- Measuring Objects
- Moving Objects
- Creating Viewpoints
- Editing Viewpoints
- Importing and Exporting Viewpoints
- Creating Viewpoint Animations
- Exporting an Animation
- Creating Comments
- Reviewing Quick Properties
- Using the Selection Inspector
- Creating Sections
- Creating Links
- Setting the Link Options
- Comparing Models

- NWC Exporters
- Using Switchback
- Rendering and Lighting Modes
- Displaying Primitives
- Database Support
- Creating Redlining
- Connecting to Autodesk 360

Simulate - TimeLiner

- Introducing the TimeLiner Interface
- Creating Tasks Manually
- Creating Tasks Automatically
- Exploring the Gantt Chart
- Synching Tasks
- Adding Cost to the Schedule
- Creating TimeLiner Rules
- Playing the Simulation in TimeLiner
- Configuring Simulations
- Exporting Simulation

Simulate - Animator

- Using the Animator Interface
- Creating Animation Sets
- Animating Camera Viewpoints
- Manipulating Objects in Animations
- Creating Section Planes
- Manipulating Movement
- Scaling Objects
- Changing Color & Transparency
- Putting it all Together

Simulate - Scripter

- Creating with Scripter

- Managing Scripts
- Understanding Events
- Enabling the On Start Event
- Enabling the On Timer Event
- Enabling the On Key Press Event
- Enabling the Collision Event
- Enabling the On Hotspot Event
- Enabling On Variable Event
- Enabling the On Animation Event
- Understanding Actions
- Understanding the Stop Action
- Understanding the Show Viewpoint Action
- Understanding the Pause Script Action
- Understanding the Send Message Action
- Understanding the Set Variable Action
- Understanding the Store Property Action
- Understanding the Load Model Action

Simulate - Presenter

- Understanding Presenter Concepts
- Applying Materials with Presenter
- Applying Light Effects with Presenter
- Applying Background Effects with Presenter
- Rendering Effects with Presenter
- Exporting Rendered Images with Presenter
- Exporting Rendered Animations with Presenter
- Editing Materials in Presenter

- Applying Advanced Materials in Presenter
- Understanding Ground Planes
- Creating Individual Lighting Effects with Presenter
- Understanding Image-Based Light Effects with Presenter
- Creating an Environmental Background with Presenter
- Creating Custom Environments with Presenter
- Using Light Scattering with Presenter
- Using Rich Photorealistic Content with Presenter
- Introducing Autodesk Rendering
- Applying Materials to Objects with Autodesk Rendering
- Creating and Modifying Autodesk Materials
- Mapping Materials with Autodesk Rendering
- Using Autodesk Lighting
- Working with Autodesk Environments
- Using the Interactive Ray Trace

Manage - Clash Detective

- Understanding the Clash Detective Interface
- Selecting Items for Clash Detection
- Linking Clash Detection Geometry to Time Selection
- Understanding Clash Detective Rules
- Commenting on Detected Clashes
- Understanding Clash Test Reporting

- Understanding Clash Detective Audit Checks
- Working with Clash Tests
- Exporting Clash Data
- Customizing Clash Tests
- Clashing Laser Scan Data
- Holding and Releasing Objects
- Viewing Clash Results
- Working with Clash Detective
- Understanding Time-Based Clashing
- Producing a Clash Detective/ Timeliner Report

Quantification

- Understanding the Quantification Interface
- Setting Up Quantification
- Creating New Quantification Items and Resources

- Quantifying Model Objects
- Taking Off Objects Not Modeled or Missing Properties
- Modifying Formulas
- Analyzing Model Changes
- Importing and Exporting Catalogs

Re-Cap - Bringing Point Clouds to Navisworks

- Introducing Autodesk ReCap
- Importing Models
- Navigating the Model
- Modifying Display Settings
- Modifying the Limit Box
- Creating Regions
- Measuring Points and Creating Notes
- Exporting the Point Cloud

System Requirements

DVD Version Requires

- Microsoft Windows® XP, Vista, 7
- 512 MB Ram
- 1GHz Processor or faster
- 1024x768 color display
- Sound Card and Speakers
- Up to 8GB hard disk space required for installation
- DVD-ROM drive for install only
Mouse (or pointing device) needed for navigation

Online Version Requires:

- Internet Browser
- Adobe® Flash Plugin
- InternetConnection (High-Speed Recommended)

CADLearning is Developed by:



About CADLearning

CADLearning delivers instruction through e-books, self-paced video tutorials, exercise files and assessments that are designed to improve familiarity and fluency with leading CAD and BIM software programs.

Professionals in architecture, engineering, construction, automotive and transportation, manufacturing, utilities, communication, government and education can effectively leverage CADLearning for self-paced learning, as an ongoing resource, and as a help tool. CADLearning is developed by 4D Technologies, LLC.

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