

Course Title: Autodesk NavisWorks Introduction

Course Code: NAV-1

Duration: 1 Day

Courseware Description

In this courseware, using hands-on exercises that demonstrate the functionality of the Autodesk® NavisWorks® Review and an introductory to Autodesk® NavisWorks® Simulate, and Manage. Students will learn how to open and review 3D models using the review tools found within these versions. This courseware provides students with the skills and knowledge to use NavisWorks Review effectively and provide an introduction to the Autodesk® NavisWorks® Simulate and Autodesk® NavisWorks® Manage applications.

Objectives

The primary objective of this courseware is to teach students how to combine 3D geometry from cross disciplines into one scene to enable effective model reviews.

After completing this course, students will be able to:

- Describe the main features and functionality of the NavisWorks Review.
- Open and append 3D files of different formats and save them in a NavisWorks format.
- Create links to external scheduling files and object properties in external database files.
- Perform visual project model reviews using the built-in review and reporting tools.

Who Should Attend

This courseware is designed for new and experienced NavisWorks users who need to become familiar with all the main tools within NavisWorks Review and need an introduction to the Navisworks Simulate and Navisworks Manage versions.

Prerequisites

Before using this courseware, students should have working knowledge of 3D design.

Course Outline

Getting Started with NavisWorks

- Workspace Overview
- Opening and Appending Files in NavisWorks
- Saving, Merging, and Refreshing Files in NavisWorks
- Database Support (Data Tools)

Review

- Navigation and the NavisWorks Engine
- Selection Tree and Selecting Objects
- Hiding Objects and Overriding Materials
- Object Properties
- Measuring and Moving Objects
- Selection and Search Sets
- Viewpoints and Adding Comments and Redlining
- Animations, Sectioning, and Hyperlinks
- Comparing Models and SwitchBack
- NavisWorks Real-Time Rendering