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AL MOALEM INSTITUTE

AUTODESK



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NAVISWORKS

COURSE DURATION: 20 HOURS

ELIGIBILITY REQUIREMENTS

There are no formal prerequisites for taking the Autodesk Navisworks course. However, a basic understanding of BIM and familiarity with 3D modeling software is beneficial.

COURSE OVERVIEW

The Autodesk Navisworks course is designed for individuals looking to develop or enhance their skills in project review, coordination, and clash detection using Autodesk Navisworks. Navisworks is a powerful project review software widely used in the architecture, engineering, and construction (AEC) industry for integrating 3D models and data from various design and BIM (Building Information Modeling) applications. It enables professionals to visualize, analyze, and simulate project data to improve project delivery and collaboration.

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COURSE AUDIENCE

The Autodesk Navisworks course is suitable for a wide range of individuals, including:

- Project Managers and Coordinators
- BIM Managers and Coordinators
- Architects, Engineers, and Designers
- Construction Managers and Contractors
- Freelancers and Independent Consultants
- AEC Firms and Organizations

COURSE LEARNING OUTCOMES

Upon completing the Autodesk Navisworks course, participants are expected to achieve the following outcomes:

1. Proficiency in Autodesk Navisworks
2. Advanced Project Review and Coordination Skills
3. Efficiency in Workflow and Collaboration
4. Creative Problem Solving and Application

COURSE CONTENT

The Autodesk Navisworks course covers essential tools and techniques for project review and coordination, focusing on foundational and advanced skills for integrating and managing 3D models from multiple sources. The course typically includes the following key areas:

- **Introduction to Autodesk Navisworks:**
  - Interface and Navigation
  - Project Setup and File Management
- **Model Integration and Management:**
  - Combining Models
  - File Formats and Data Sources
  - Navigating and Reviewing Models
- **Clash Detection and Coordination:**
  - Setting Up Clash Detection
  - Managing Clashes
  - Clash Resolution and Coordination
- **Quantification and Takeoff:**
  - Model Quantification
  - Creating Takeoff Reports
  - Integrating with Cost Estimation Software
- **4D Simulation and Construction Sequencing:**
  - Setting Up 4D Simulations
  - Animating and Reviewing Simulations
  - Exporting 4D Simulations
- **Rendering and Visualization:**
  - Enhancing Model Appearance
  - Creating Rendered Images and Animations



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