Navisworks Manage Training Course

Professional Development Training Course Outline

Category	Construction Institute	**Duration**	5 Days
Base Fee	$1,500 USD	**Delivery Mode**	Online / On-site Hybrid

Course Introduction

Navisworks Manage Course is a comprehensive BIM coordination, 3D model review, clash detection, and construction project management program designed for architects, engineers, BIM professionals, contractors, and project stakeholders. Navisworks Manage Training Course helps learners master Autodesk Navisworks Manage, a leading BIM collaboration and visualization platform used for multidisciplinary model integration, design validation, construction sequencing, and digital project delivery. Participants gain practical expertise in clash detection workflows, model aggregation, quantity takeoff, 4D simulation, project coordination, and construction risk management, enabling them to improve productivity and deliver high-quality projects using advanced Building Information Modeling (BIM) technologies.

The course provides hands-on experience with real-world AEC industry workflows, preparing professionals to manage complex infrastructure, commercial, residential, and industrial projects. Through practical exercises and case studies, learners explore Navisworks Manage tools, BIM interoperability, coordination standards, issue tracking, and virtual construction methodologies. This training supports organizations in achieving digital transformation, improved collaboration, reduced rework, and optimized project outcomes through smart BIM coordination strategies.

Programme Curriculum

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Course Duration

5 days

Navisworks Manage Training Course Objectives

1. Master Autodesk Navisworks Manage fundamentals and advanced workflows for BIM project coordination.
2. Develop expertise in 3D model aggregation and multidisciplinary BIM integration.
3. Learn advanced clash detection and interference management techniques.
4. Understand BIM coordination standards and digital construction workflows.
5. Create effective 4D construction simulations and project sequencing animations.
6. Improve skills in model review, visualization, and stakeholder collaboration.
7. Perform accurate design validation and construction quality analysis.
8. Manage BIM coordination issues using smart tracking workflows.
9. Apply construction technology and digital twin concepts in project delivery.
10. Optimize workflows using Building Information Modeling (BIM) automation strategies.
11. Develop professional skills for Virtual Design and Construction (VDC) environments.
12. Enhance project efficiency through data-driven construction management techniques.
13. Prepare learners for industry-recognized BIM coordination roles and certifications.

Target Audience

1. BIM Coordinators managing multidisciplinary project models.
2. Architects involved in digital design coordination.
3. Structural Engineers performing model reviews and clash analysis.
4. MEP Engineers coordinating building services systems.
5. Civil Engineers working on infrastructure BIM projects.
6. Construction Managers managing project execution workflows.
7. Contractors and Project Managers improving construction planning.
8. Students and Professionals seeking careers in BIM and digital construction.

Course Modules

Module 1: Introduction to Navisworks Manage & BIM Coordination

- Overview of **Navisworks Manage interface, navigation, and project environment**
- Understanding **BIM workflows, interoperability, and model collaboration**.
- Importing and managing CAD, Revit, IFC, and other BIM formats.
- Exploring selection trees, properties, viewpoints, and review tools.

- **Case Study:** BIM coordination workflow for a commercial building project.

Module 2: Model Aggregation & Data Management

- Combining architectural, structural, and MEP models.
- Managing large-scale **federated BIM models**.
- Understanding file formats and data exchange standards.
- Creating optimized model review environments.
- **Case Study:** Integration of multi-discipline BIM models for a high-rise project.

Module 3: Advanced Clash Detection Workflows

- Creating and managing clash tests in Navisworks Manage.
- Identifying hard clashes, soft clashes, and workflow conflicts.
- Setting clash rules and prioritizing coordination issues.
- Generating professional clash reports and documentation.
- **Case Study:** MEP and structural clash resolution in a hospital BIM project.

Module 4: BIM Review, Visualization & Collaboration

- Creating viewpoints, animations, and walkthroughs.
- Using markup, comments, and review tools.
- Improving communication between project stakeholders.
- Managing BIM coordination meetings effectively.
- **Case Study:** Client presentation and design review for an office complex.

Module 5: 4D Simulation & Construction Planning

- Creating construction sequencing simulations.
- Linking project schedules with BIM models.
- Understanding **4D BIM and virtual construction planning**.
- Analyzing construction progress and project timelines.
- **Case Study:** Construction simulation for a transportation infrastructure project.

Module 6: Quantification & Project Documentation

- Understanding Navisworks Quantification tools.
- Creating material takeoff workflows.
- Reviewing quantities from integrated BIM models.
- Improving cost estimation and project control.
- **Case Study:** Quantity verification for a residential development project.

Module 7: Advanced BIM Coordination & Digital Construction

- Implementing BIM execution workflows.
- Understanding digital twins and connected project environments.
- Managing large-scale infrastructure coordination.
- Applying industry best practices for BIM delivery.
- **Case Study:** Smart construction management for an industrial facility.

Module 8: Real-World Project Workflow & Professional Practice

- Developing complete BIM coordination workflows.

- Managing clash reports and project issue resolution.
- Preparing professional BIM review presentations.
- Understanding industry standards and career pathways.
- **Case Study:** End-to-end BIM coordination process for a major construction project.

Training Methodology

This course employs a participatory and hands-on approach to ensure practical learning, including:

- Interactive lectures and presentations.
- Group discussions and brainstorming sessions.
- Hands-on exercises using real-world datasets.
- Role-playing and scenario-based simulations.
- Analysis of case studies to bridge theory and practice.
- Peer-to-peer learning and networking.
- Expert-led Q&A sessions.
- Continuous feedback and personalized guidance.

Register as a group from 3 participants for a Discount

Send us an email: info@fineskilltrainingcenter.org or call *+254769199797*

Certification

Upon successful completion of this training, participants will be issued with a globally- recognized certificate.

Tailor-Made Course

We also offer tailor-made courses based on your needs.

Key Notes

a. The participant must be conversant with English.

b. Upon completion of training the participant will be issued with an Authorized Training Certificate

c. Course duration is flexible and the contents can be modified to fit any number of days.

d. The course fee includes facilitation training materials, 2 coffee breaks, buffet lunch and A Certificate upon successful completion of Training.

e. One-year post-training support Consultation and Coaching provided after the course.

f. Payment should be done at least a week before commence of the training, to Fineskill Training Center account, as indicated in the invoice so as to enable us prepare better for you.

Upcoming Scheduled Sessions

Start Date	End Date	Location	Price

23 Nov 2026	27 Nov 2026	Online	$1,000
23 Nov 2026	27 Nov 2026	Physical	$1,500
23 Nov 2026	27 Nov 2026	Physical	$3,000
23 Nov 2026	27 Nov 2026	Physical	$3,000
23 Nov 2026	27 Nov 2026	Physical	$6,000
23 Nov 2026	27 Nov 2026	Physical	$4,500
23 Nov 2026	27 Nov 2026	Physical	$6,000
23 Nov 2026	27 Nov 2026	Physical	$6,000

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Email: info@fineskilltrainingcenter.com | Website: www.fineskilltrainingcenter.com