

The Autodesk® Navisworks® Essentials student guide instructs students in best approaches to combine 3D geometry from cross disciplines into one scene to enable effective model reviews. Through a hands-on, practice-intensive curriculum, students acquire the knowledge needed to review and markup the model, use TimeLiner, Animator, Scripiter, Quantification, Autodesk Rendering, as well as the Clash Detective tools within the Autodesk Navisworks software.

TRAINING PRICE:
4.500.000đ/person

COURSE DURATION:
2 Days

Using the functionality of the Autodesk® Navisworks® Simulate, and Manage features, students learn how to open, review, quantify, and run object-interference checks on 3D models. Students also learn how to link to task-scheduling files and create 4D construction simulations. Using the Animator and Scripiter tools, students create interactive animations. In addition, students learn how the Autodesk Rendering tools can help them create photorealistic images and animations.

Prerequisites:

Before using this student guide, students should have working knowledge of 3D design and task-scheduling software. This student guide is designed for new and experienced Autodesk Navisworks users who need to become familiar with the main tools within the software.

Course objectives:

Using the functionality of the Autodesk® Navisworks® Simulate, and Manage features, students learn how to open, review, quantify, and run object-interference checks on 3D models. Students also learn how to link to task-scheduling files and create 4D construction simulations. Using the Animator and Scripiter tools, students create interactive animations. In addition, students learn how the Autodesk Rendering tools can help them create photorealistic images and animations.

After completing this training course, you will be able to:

- Describe the main features and functionality of the Autodesk Navisworks software.
- Open and append 3D files of different formats and save in the Autodesk Navisworks format.
- Perform interference detection tests between 3D files of different disciplines to check integrity of the design.
- Create construction simulations of a project model to check the validity of construction schedules.
- Use Animator and Scripiter to create interactive animations for presentations and demonstrations.

DETAILED COURSE OUTLINE

Day 1:

- Navisworks in a Nutshell
- Introducing Navisworks as a BIM tool
- UI Tour
- Compiling and managing a project
- Exploring the model
- Reviewing, redlining, links and switchback

Day 2:

- Viewpoint creation, sectioning and animation
- Animation and Interactivity
- Autodesk Rendering
- Simulation and the TimeLiner
- Interference management - Clash Detective
- Material Takeoff - Quantification