

Course Outline

SOLIDWORKS Assembly Modelling	
Description	This course teaches how to maximize your use of the assembly modelling capabilities of SOLIDWORKS including 'Top-Down' Assembly modelling and managing large assemblies.
Prerequisites	Equivalent or in addition to SOLIDWORKS Essentials
Delivery Mode	Online

<p>Introduction About This Course</p> <p>Lesson 1: Top-Down Assembly Modelling Top-Down Assembly Modelling Stages in the Process Building Virtual Parts Building Parts in an Assembly In-Context Features Propagating Changes Saving Virtual Parts as External External References Breaking External References Removing External References</p> <p>Lesson 2: Assembly Features and Smart Fasteners Assembly Features and Smart Fasteners Stages in the Process Assembly Features Smart Fasteners</p> <p>Lesson 3: Advanced Mate Techniques Advanced Mates Adding Mate References Design Library Parts Capture Mate References Smart Components Advanced and Mechanical Mate Types Summary: Inserting and Mating Components Multiple Mate Mode Using Copy with Mates Mate Options</p>	<p>Lesson 4: Using Configurations with Assemblies Using Configurations with Assemblies Stages in the Process Component Patterns Creating Configurations Manually Configuration Properties Using Configure Component Configuration Publisher</p> <p>Lesson 5: Display States and Appearances Display States Bulk Selection Tools Advanced Select Envelopes Appearances, Materials, and Scenes</p> <p>Lesson 6: Assembly Editing Assembly Editing Key Topics Editing Activities Replacing and Modifying Components Troubleshooting an Assembly Replacing Components Using Save As Mirroring Components Hole Alignment Controlling Dimensions in an Assembly Sensors</p>	<p>Lesson 7: Layout-based Assembly Design Layout-based Assembly Design Key Topics Blocks Inserting Blocks Creating a Part from a Block Gear and Pulley Motion in Blocks</p> <p>Lesson 8: Large Assemblies Large Assemblies Key Topics Lightweight Components Large Assembly Mode Using SpeedPak Defeature Using Configurations with Large Assemblies Modifying the Structure of an Assembly Assembly Visualization Large Design Review Tips for Faster Assemblies Drawing Considerations</p>
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