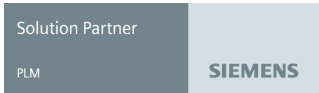




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Training Course Details

Title: Intermediate NX Design and Assemblies

Course Objectives: Intermediate NX Design and Assemblies is designed to thrust students further up the productivity curve. As a second tier course Intermediate NX Design and Assemblies builds on the tools you deployed as a result of attending the Essentials for NX Designers course. This method-based course focuses the student on productive modeling techniques that capture design intent in the context of the Master Model. Delivering on that outcome, this course will incorporate sketching, inter-part modeling, design intent for expression associativity, and several assembly topics as a significant part of the instruction.

Who Should Attend? This course is designed for designers, engineers and CAD/CAM Managers

Agenda overview:

- Constraining Sketches*
- Constraint Management*
- Additional Sketching Techniques*
- Basic Free Form*
- Expressions*
- Duplicating Features*
- Assembly Functions*
- Reference Sets*
- Deform Part*
- Top-Down Assembly Modeling*
- Interpart Expressions*
- Assembly Arrangements*
- Offset Curves*
- Extract & Simplify*
- Trim Body*
- Face Operations*
- Variable Radius Blend*
- Remember Mating Constraints*
- Component Arrays*
- Part Families*
- Revisions and Substitutions*

Duration: 5 days

Software Version NX5, NX6, NX7

Prerequisites: Students should have a working knowledge of the NX user interface, layer control, sketch creation, swept features with offsets, simple blends, part file saving conventions, form features & positioning dimensions and work and absolute coordinate systems

Deliverables: Full Course Guide
 CAD Data sets
 Course Certificate

Further Recommended Training: NX Mechanical Freeform
 NX Mechanisms
 NX Routing
 NX Shape Studio
 NX Simulation