

Hitachi Sunway

NX CAD Course Training Outline



Course Name : NX CAD Basic Design & Freeform Modeling

Course Duration : 5 Days

Course Outline :

Day 1: Modeling Fundamental

- Opening and working with parts
- Getting to know the NX interface
- Creating parts with sketches
- Editing and manipulating sketches
- Sweeping geometry to create part features
- Creating and editing holes
- Creating and editing geometric relationships with formulas
- Exercise

Day 2: Modeling Fundamental

- Creating datum geometry to support design intent

- Examining the structure of a model
- Trimming a solid body
- Creating and manipulating shell features
- Blending and chamfering edges
- Modifying geometry of imported parts
- Exercise

Day 3: Free form Modeling

- Introduction to Mechanical Freeform
- Curves used for creating freeform features
- Edit Splines
- Curve Analysis
- Primary Sheets and Bodies
- Exercise

Day 4: Free form Modeling

- Transitions sheet
- Face Analysis
- Working with sheets
- Sheets to solids
- Exercise

Day 5: Drafting & Assembly

- Adding and positioning parts in an assembly
- Top-down design and Interpart Link
- Assembly sequence
- Workshop7-8
- Creating simple drawing
- Dimension and Annotation
- Section view
- Exercise