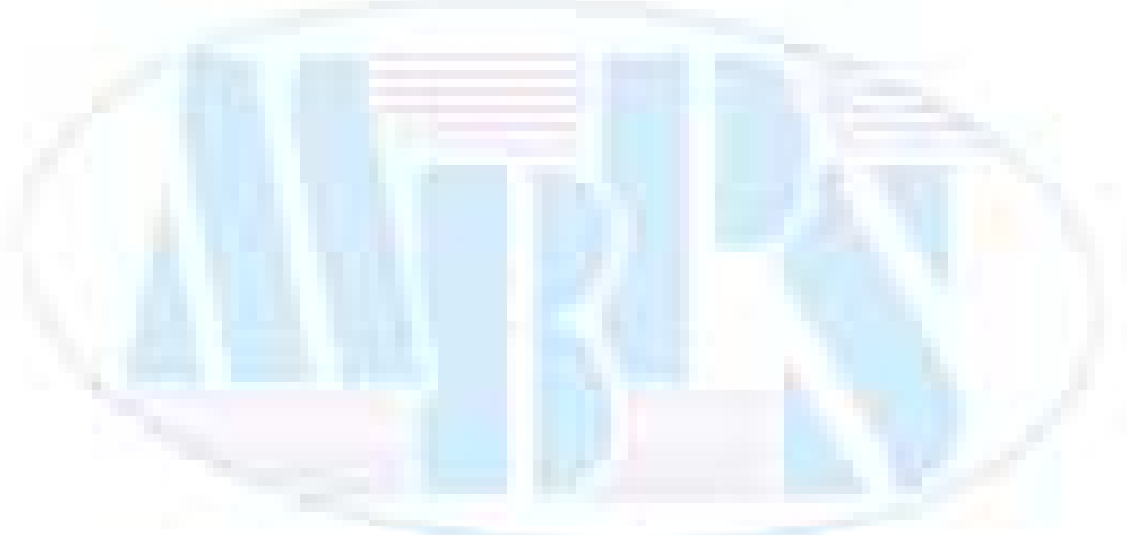




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CATIA-V5

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1. Module 1: Introduction to Catia V5

- Workbenches
- Toolbars
- Specification Tree
- Compass
- Mouse Usage
- File Operations

2. Module 2: Drawing Sketches in the Sketcher Workbench-I

- Invoking the Sketcher Workbench
- Units, Grid Settings
- Construction and Standard elements
- Drawing Sketch objects I
- Inferred Constraints
- Exiting the Sketcher Workbench
- View Manipulation

Chapter 2 Tutorials 1-3 Assignment

3. Module 3: Drawing Sketches in the Sketcher Workbench-II

- Drawing Sketch Objects II
- Modifying sketch Objects
- Sketch Transformations

Chapter 3 Tutorials 1-3, Exercise 1 Assignment

4. Module 4: Constraining Sketches and Creating Base Features

- Constraining Sketches
- Geometric Constraints
- Dimensional Constraints
- Sketch Analysis
- Creating an Extruded Solid Using the Pad Feature
- Creating a Revolved Solid Using the Shaft Feature
- Assigning a Material to the Model

Chapter 4 Tutorials 1 and 2, Exercises 1 and 2 Assignment

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5. Module 5: Reference Elements and Sketch-Based Features

- Reference Elements
- Drafted Filleted Pad Features
- Multi-Pad Features
- Pocket Features
- Drafted Filleted Pocket
- Multi-Pocket Features
- Groove
- Extruding and Revolving Faces
- Projecting 3D Elements

Chapter 5 Tutorial 1-3 Assignment

6. Module 6: Creating Dress-Up and Hole Features

- Hole features
- Chamfer
- Fillets
- Draft
- Shell

Chapter 6 tutorials 1 and 2, Exercise 1 Assignment

7. Module 7: Editing Features

- Editing Features
- Cut, Copy and Paste
- Deleting Features
- Deactivating Features
- Defining the Work Object
- Reordering Features
- Parent Child Relationships
- Update Diagnostics
- Measuring Elements

Chapter 7 Tutorials 1 and 2, Exercise 1 Assignment

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8. Module 8: Transformation Features and Advanced Modeling Tools-I

- Translating and Rotating Bodies
- Symmetry and Mirror Features
- Patterns
- Scale
- Parts with Multiple Bodies
- Boolean Operations
- Stiffener Features

Chapter 8 Tutorials 1 and 3, Exercise 1 Assignment

9. Module 9: Advanced Modeling Tools-II

- Rib
- Slot
- Multi-section Solids
- Power copy

Chapter 9 Tutorials 1 and 3, Exercise 1 Assignment

10. Module 10: Wireframe and Surface Design

- Surfacing Workbenches
- Wireframe geometry
- Extruded Surfaces
- Revolved Surfaces
- Offset Surfaces
- Swept Surfaces
- Fill Surface
- Multi-section Surfaces
- Blended Surfaces
- Split, Trim and Join

Chapter 10 Tutorials 1 and 2, Exercise 1 Assignment

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