

No. of Days	Topic
Day 1	<b>INTRODUCTION</b> TO PDC AND CAD/CAM/CAE. INTRODUCTION TO SOLID WORK AND FEATURES. <b>SOLIDWORK GUI</b> -FEATURE MANAGER, DESIGN TREE, CONFIRMATION CORNER, MOUSE USES, KEYBOARD USES, COMMAND MANAGER
Day 2	<b>Sketch Entities</b> - LINE, CIRCLE, RECTANGLE, SLOTS, POLYGON, SPLINE, POINTS, TEXT, CONSTRUCTION LINE, SNAP, GRID
Day 3	<b>Sketch Modifying Tools</b> - FILLET, CHAMFER, OFFSET, TRIM, EXTEND, MIRROR, DYNAMIC MIRROR, HATCH, BLOCK, RELATIONS, DIMENSIONS
Day 4	<b>Part Modeling</b> - EXTRUDE & EXTRUDE CUTS. REVOLVE & REVOLVE CUT
Day 5	SWEEP & SWEEP CUT, LOFT & LOFT CUT
Day 6	BOUNDARY & BOUNDARY CUT, FILLET, CHAMFER
Day 7	<b>REFERENCE GEOMETRY</b> - PLANE, POINT, AXIS, CO-ORDINATE SIMPLE HOLE, HOLE WIZARD
Day 8	RIB, SHELL, DRAFT, PATTERNS
Day 9	PRACTISE
Day 10	<b>CURVES</b> - SPLIT LINE, COMPOSITE CURVE, CURVE THROUGH POINT, PROJECT CURVE, HELIX & SPIRAL
Day 11	WRAP, DOME, MIRROR, FREE FORM
Day 12	DEFORM, INDENT, FLEX
Day 13	<b>ADVANCE MODELLING TOOL</b> - MOUNTING BOSS, SNAP HOOK, SNAP HOOK GROOVE, VENT
Day 14	LIBRARY FEATURE, MASS PROPERTIES
Day 15	<b>DEMO</b>
Day 16	<b>ASSEMBLY</b> - INTRODUCTION TO ASSEMBLY TOP-DOWN & BOTTOM-UP <b>APPLYING STANDARD MATES</b> - COINCIDENT, PARALLEL, PERPENDICULAR, TANGENT ETC.
Day 17	ADDING SMART MATES,

	REPLACE, ROTATE, MOVE COMPONENT
Day 18	<b>APPLYING ADVANCE MATES</b> - SYMMETRIC, WIDTH, PATH MATE, LIMIT MATE
Day 19	<b>MECHANICAL MATES</b> -CAM, HINGS, GEAR, RACK PINION, SCREW, UNIVERSAL JOINT
Day 20	CREATING PATTERNS IN ASSEMBLY ANIMATION & BASIC MOTION
Day 21	<b>Demo in CATIA</b>
Day 22	<b>DRAWING MODE</b> - 3D STANDARD VIEW, MODEL VIEW, PROJECTED VIEW, AUXILIARY VIEW, SECTION VIEW, DETAIL VIEW, BROKEN OUT SECTION, BREAK, CROP
Day 23	<b>DIMENSIONING</b> - SMART, HORIZONTAL, VERTICAL, CHAMFER DIMENSION CENTER MARK, CENTERLINE
Day 24	<b>TABLES</b> - GENERAL TABLE, BILL OF MATERIALS, HOLE TABLE, BALLONS, HATCH
Day 25	<b>SURFACE MODELING</b> - EXTRUDED, REVOLVED, SWEEP
Day 26	LOFTED, BOUNDARY FILL, PLANAR, OFFSET, RULED, KNIT SURFACE, DELETE FACE, REPLACE FACE
Day 27	EXTEND, TRIM, UNTRIM SURFACE, CUT WITH SURFACE, THICKEN & THICKEN CUT
Day 28	<b>SHEET METAL DESIGN</b> - BASE FLANGE, EDGE FLANGE, LOFTED BEND, MILLER FLANGE, HEMS, JOG, SKETCH BEND
Day 29	<b>CORNER</b> - CLOSED, WELDED, BREAK CORNERS/CORNER TRIMCROSS BREAK, EXTRUDED CUT, SIMPLE HOLE
Day 30	FOLD/UNFOLD, FLATTEN, RIP, CONVERT TO SHEET METAL, INSERT BEND, NO BEND 3D SKETCH & WELDMENTS IMPORT/EXPORT CAD FILES TO OTHER SOFTWARES
Day 31-35	PROJECT