

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

	REPLACE, ROTATE, MOVE COMPONENT
Day 18	APPLYING ADVANCE MATES - SYMMETRIC, WIDTH, PATH MATE, LIMIT MATE
Day 19	MECHANICAL MATES -CAM, HINGS, GEAR, RACK PINION, SCREW, UNIVERSAL JOINT
Day 20	CREATING PATTERNS IN ASSEMBLY ANIMATION & BASIC MOTION
Day 21	Demo in CATIA
Day 22	DRAWING MODE - 3D STANDARD VIEW, MODEL VIEW, PROJECTED VIEW, AUXILIARY VIEW, SECTION VIEW, DETAIL VIEW, BROKEN OUT SECTION, BREAK, CROP
Day 23	DIMENSIONING - SMART, HORIZONTAL, VERTICAL, CHAMFER DIMENSION CENTER MARK, CENTERLINE
Day 24	TABLES - GENERAL TABLE, BILL OF MATERIALS, HOLE TABLE, BALLONS, HATCH
Day 25	SURFACE MODELING - 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	SHEET METAL DESIGN - BASE FLANGE, EDGE FLANGE, LOFTED BEND, MILLER FLANGE, HEMS, JOG, SKETCH BEND
Day 29	CORNER - 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