Creo: Using Assembly Skeletons for Top-Down Design

Find a class

Course type

Class with hands-on practice

Duration

3 Hours

Product

Creo Parametric 12.4

Delivery method

Instructor-led

Guidebook languages

English

Deutsch

Course overview

This course teaches users how to plan, structure, and execute product designs using a top-down design methodology in Creo Parametric. Learners explore how assembly skeletons, shared geometry, and Creo Notebooks can be used to centrally control design intent, coordinate development activities, and drive changes across multiple components. Through hands-on exercises, participants learn how to create assembly structures before detailed modeling begins, distribute design work across teams, share geometry between components, and manage product changes from a single source of control.

Prerequisites

Creo: Fundamentals of Solid Modeling 2

Creo: Fundamentals of Assembly

Creo: Fundamentals of 2D Drawing

Audience

Design Engineer

Learning objectives

Review the assembly systems framework

Describe the top-down design process and its steps

Create and use Creo Notebook

Add dimensions, parameters, and relations to a notebook

Create top-down assembly structures

Declare an assembly structure to a notebook

Create and use a skeleton model

Create and use copy geometry and publish geometry features

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