Creo: Fundamentals of Analysis

Find a class

Course type

Class with hands-on practice

Duration

3 Hours

Product

Creo Parametric 13.4

Delivery method

Instructor-led

Self-guided

Guidebook languages

English
Italiano
Français
日本語
Deutsch
中文 (简体)

Course overview

This course introduces the essential analysis and validation tools available within Creo Parametric for evaluating parts and assemblies throughout the design process. Learners explore how to verify designs using measurements, mass properties, thickness analysis, interference detection, and introductory finite element analysis (FEA). The course emphasizes applying analysis during the verification stages of product development to identify potential issues early, validate design requirements, and make informed engineering decisions before manufacturing. Through hands-on case studies, participants gain practical experience using Creo tools to assess model quality, investigate design behavior, and support product optimization.

Prerequisites

Creo: Fundamentals of Solid Modeling 1

Audience

Design Engineer

Learning objectives

Review the Analysis framework

Explore the analyses available using Creo Parametric

Explore model properties

Use the Model Player

Use measurement tools on models and assemblies

Use analysis tools to identify minimum and maximum thickness

Identify and correct interferences

Review the basic principles of finite element analysis (FEA)

Perform an FEA using Creo Simulate Lite

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