Behavioral Modeling using Pro/ENGINEER Wildfire 4.0

Overview

Course Code: SAB-CEK2796

Course Length: 8 Hours

This course is designed for experienced users who want to add additional features that enable you to meet or exceed the design specifications of your products. In this course, you will focus on learning advanced analysis skills unrelated to structural or thermal analysis in this comprehensive, hands-on course. You will learn how to analyze your models and create analysis features that can enforce your design intent. You will also learn how to create sensitivity and feasibility studies that aid you in determining how to reach your design goals. Furthermore, you learn how to create optimization design studies that enable you to configure the dimensions and parameters that Pro/ENGINEER can change in order to meet your design specifications. After completing this course, you will be prepared to work on critical component designs using Pro/ENGINEER Wildfire Behavioral Modeling. At the end of each module, you will find a set of review questions to reinforce critical topics from that module. Your instructor will discuss these with the class. At the end of the course, you will find a course assessment in Pro/FICIENCY intended to evaluate your understanding of the course as a whole.

Course Objectives

- Applying the Behavioral Modeling process and concepts to your designs
- Creating measurement analysis features
- Creating relation, motion, Mechanica, and MS Excel analysis features
- Creating user-defined analysis features
- Conducting sensitivity analyses
- Conducting feasibility and optimization studies
- Design Project
Prerequisites

- Introduction to Pro/ENGINEER Wildfire 3.0 or equivalent experience.
- Additionally, experience with MS Excel, Mechanica, Mechanism Design, and Mechanism Dynamics would be useful but not required.

Audience

- This course is intended for product designers and engineers. People in related roles will also benefit from taking this course.
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