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by INNEO

## Creo Simulate: Introduction

### Version

Standard  
Standard

### No.:

PT-TRN-6204-EN

### Audience

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

### Content

- Understand the basic Simulate analysis process
- Understand theory and simulate model topics
- Explore results
- Explore materials and material properties
- Understand and use Simulate idealizations
- Understand and use structural loads
- Understand and use structural constraints
- Run structural analyses
- Understand convergence
- Analyze assemblies with Simulate
- Complete design and sensitivity studies
- Run optimization studies
- Understand the basics of Thermal analysis

### Prerequisites

\$1 Creo: Fundamentals and Productivity Tools \$1 Three months of Creo Parametric experience

### Objectives

- In this course, you will learn how to test, validate, and optimize product designs with the Creo Simulate module.
- Creo Simulate enables you to simulate structural and thermal loads on product designs.
- You will complete comprehensive, hands-on lab exercises that simulate realistic analysis and design optimization activities.
- You will also be introduced to advanced topics such as dynamic analyses, combined mechanical and thermal analyses, and Optimization Studies.
- After completing the course, you will be able to run engineering analyses and optimizations on your product design models.

**For course duration and times, please refer to the respective course date on the website**

**Any questions? Call or send us an email:**

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