

Plant Simulation
Plant Simulation Advanced Modeling and Optimization

course code TR46300
user level Advanced
duration 4 days

Learn the essential NX workflows necessary for creating and editing parametric models.

The **Plant Simulation Advanced Modeling and Optimization** course introduces a Plant Simulation professional user to advanced methods of building simulation models, including building simulation applications, using Plant Simulation optimization tools, and improving the performance of existing simulation models.

WHO SHOULD ATTEND	PRIMARY COURSE TOPICS
Individuals who would like to become advanced Plant Simulation users	<ul style="list-style-type: none"> Advanced Transportation Techniques (Automatic Routing, Tugger Trains, Cranes, Stores, etc.) Other Advanced Modeling Techniques (i.e. Attribute Explorer, Profiler, Observers, etc.) Model Optimization Techniques and Random Numbers (Distributions, Data Fit Tools, Confidence Intervals, Sequential Sampler, Variants Generator, Custom States, etc.) Experiment Manager (Multi-Level, Random, Two-Level, Rules Setup, etc.) Analysis of Variance, Variance Reduction, Neural Networks, Distributed Simulation, Fuzzy Logic Genetic Algorithms (optimization with Stochastic simulation, sequential optimization, combined optimization, batch) Scheduling and Layout optimization, etc. Customized user dialogs Custom libraries
PREREQUISITES	
Required courses: <ul style="list-style-type: none"> Plant Simulation Basics, Methods, and Strategies (TR46101) 	
PROVIDED COURSE MATERIALS	
<ul style="list-style-type: none"> Student Guide Activity Material 	