

SolidWorks Simulation Course Information

This course is designed to make SolidWorks users productive more quickly with the SolidWorks Simulation Bundle. This course will provide an in-depth coverage on the basics of Finite Element Analysis (FEA), covering the entire analysis process from meshing to evaluation of results for parts and assemblies. The class discusses linear stress analysis, gap/contact analysis, and the best practices.

Course Length: 3 days

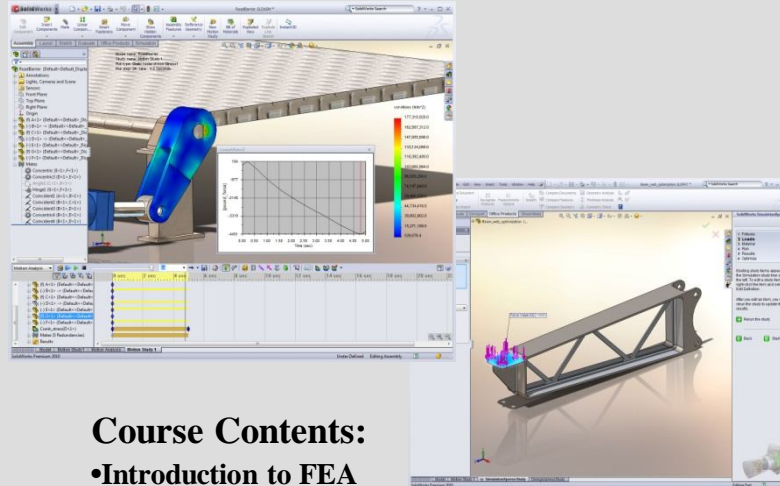
Hours: 8:30am – 4:30pm

Prerequisite:

- Knowledge of SolidWorks
- Basis mechanical engineering concepts

Includes:

- Color Training Manual
- Completion Certificate



Course Contents:

- Introduction to FEA
- The Analysis Process
- Mesh Controls, Stress Concentrations and Boundary Conditions
- Assembly Analysis with Contacts
- Symmetrical and Free Self-Equilibrating Assemblies
- Assembly Analysis with Connectors
- Compatible/Incompatible Meshes
- Assembly Analysis Mesh Refinement
- Analysis of Thin Components
- Mixed Meshing Shells & Solids
- Mixed Meshing Solids, Beams & Shells
- Design Scenarios
- Thermal Stress Analysis
- Adaptive Meshing
- Large Displacement Analysis
- Meshing, Solvers, and Tips & Tricks



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