CATIA Structural Analysis Fundamentals (V6AF)

Course Code	CAT-en-V6AF-F-V6R121
Brand	SIMULIA
Discipline	CATIA Analysis V6
Available Release	V6R2012x
Duration	12 hours
Course Material	English
Level	Fundamental
Audience	Mechanical Designers, Structural Analysts
Description	This course will introduce the concepts and benefits of Finite Element Analysis and the general analysis process. It will teach you how to prepare a model for analysis, create 1D, 2D and 3D FE models, and compute a simple static analysis for a single part or an assembly.
Objectives	Upon completion of this course you will be able to: - Create a Finite Element Analysis model - Prepare a solid or surface model for analysis - Create 1D, 2D and 3D meshes for beam, surface, and solid models - Assign properties, create loads and constraints, and define connection properties - Compute an analysis for a part or an assembly - Generate and display analysis results
Prerequisites	CATIA V5 Fundamentals, CATIA V5 to V6 Mechanical Design Transition
Available Online	Yes