



*Hands on, Measurable  
Training Programs*

## CATIA V5 Surface Design

Course Code	EDU-CAT-en-V5S-F
Brand & Release	CATIA V5R21, V5R23 (V5-6R2013)
Duration	3 days
Level	Advanced
Prerequisites	CATIA V5 Fundamentals

### Objectives:

Upon completion of this course students will be able to:

- Understand the GSD workbench
- Create good quality curves or improve imported wireframe
- Create good quality surfaces based on sound wireframe geometry
- Assemble, relimit and smoothly connect the surfaces to get a topology
- Analyze surface quality and heal the defects
- Manage surfaces in a multimodel environment

### Class Structure:

- Introduction to Generative Shape Design
- Wireframe Creation
- Surface Creation
- Surface Re-limitation and Connection
- Surface Check Tools
- Work in Multi-Model Environment with Surfaces
- Master Project
- Additional Exercises

### Class Exercises:

- Case Studies throughout the Lessons
- Ex. 1 Master Project: Toy Car  
Ex. 2 Additional Exercise: Mobile Phone  
Ex. 3 Additional Exercise: Plastic Bottle