



Course Code	EDU-CAT-E-V5E-A
Brand & Release	CATIA V5R17
Duration	5 days
Language	English
Level	Advanced
Method	ILT

Training Material References

Instructor Foils: EDU-CAT-E-V5E-AI-V5R17 Foils: EDU-CAT-E-V5E-AF-V5R17

Objectives

<ul style="list-style-type: none">- Create a complex model in CATIA V5- Create and manage a structured model- Design parts in the context of an assembly- Re-use existing data to complete assemblies- Manage relationships between assembled parts- Analyze and annotate your design
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Participants' Profile

Mechanical designers already having an experience of CATIA V5 mechanical design foundations.
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Prerequisites

Training on CATIA V5 Fundamentals Mechanical design experience

Content

<p>This course will teach you how to start a complex design project from its specifications (top down approach) and complete it by reusing existing data. It will focus on advanced skills and concepts that enable you to create and analyze complex parts and assemblies.</p> <p>Lesson 1: Introduction Lesson 2: Design Complex Parts Lesson 3: Surface Design Lesson 4: Analyze and Annotate Parts Lesson 5: Sharing Information Lesson 6: Assembly Design Lesson 7: Design in Context Lesson 8: Complex Assembly Design Master Project 1: Mobile Phone Master Project 2: Lifting Truck</p>

What is new in this release

Now available in Companion

Exercises

- Ex. 1: Case Study: Introduction (40min) / Automotive
 Ex. 2: Exercise 2A (20min) / All sectors
 Ex. 3: Exercise 2B (15min) / All sectors
 Ex. 4: Exercise 2C (20min) / All sectors
 Ex. 5: Exercise 2D (30min) / Automotive
 Ex. 6: Exercise 2E (5min) / All sectors
 Ex. 7: Exercise 2F (30min) / All sectors
 Ex. 8: Exercise 2G (20min) / All sectors
 Ex. 9: Exercise 2H (20min) / All sectors
 Ex. 10: Exercise 2I (15min) / All sectors
 Ex. 11: Case Study: Design Complex Parts (40min) / Consumer Packaged Goods
 Ex. 12: Exercise 3A (20min) / All sectors
 Ex. 13: Exercise 3B (20min) / All sectors
 Ex. 14: Exercise 3C (5min) / All sectors
 Ex. 15: Exercise 3D (30min) / All sectors
 Ex. 16: Exercise 3E (20min) / Consumer Packaged Goods
 Ex. 17: Exercise 3F (20min) / All sectors
 Ex. 18: Exercise 3G (15min) / All sectors
 Ex. 19: Exercise 3H (20min) / Consumer Packaged Goods
 Ex. 20: Case Study: Surface Design (40min) / All sectors
 Ex. 21: Exercise 4A (20min) / Automotive
 Ex. 22: Exercise 4B (20min) / All sectors
 Ex. 23: Exercise 4C (20min) / All sectors
 Ex. 24: Exercise 4D (20min) / All sectors
 Ex. 25: Exercise 5A (10min) / All sectors
 Ex. 26: Exercise 5B (10min) / All sectors
 Ex. 27: Exercise 5C (15min) / All sectors
 Ex. 28: Exercise 5D (20min) / All sectors
 Ex. 29: Exercise 5E (20min) / All sectors
 Ex. 30: Exercise 5F (20min) / All sectors
 Ex. 31: Case Study: Sharing Information (30min) / All sectors
 Ex. 32: Exercise 6A (15min) / All sectors
 Ex. 33: Exercise 6B (20min) / All sectors
 Ex. 34: Exercise 6C (20min) / All sectors
 Ex. 35: Exercise 6D (20min) / All sectors
 Ex. 36: Exercise 6E (20min) / All sectors
 Ex. 37: Exercise 6F (30min) / All sectors
 Ex. 38: Exercise 6G (10min) / All sectors
 Ex. 39: Case Study: Assembly Design (40min) / All sectors
 Ex. 40: Exercise 7A (20min) / All sectors
 Ex. 41: Exercise 7B (20min) / All sectors
 Ex. 42: Exercise 7C (20min) / All sectors
 Ex. 43: Exercise 7D (20min) / All sectors
 Ex. 44: Exercise 7E (20min) / All sectors
 Ex. 45: Exercise 7F (20min) / All sectors
 Ex. 46: Exercise 7G (30min) / All sectors
 Ex. 47: Case Study: Contextual Design (40min) / Consumer Packaged Goods
 Ex. 48: Exercise 8A (20min) / All sectors
 Ex. 49: Exercise 8B (20min) / All sectors
 Ex. 50: Exercise 8C (90min) / Automotive
 Ex. 51: Exercise 8D (20min) / All sectors
 Ex. 52: Exercise 8E (30min) / All sectors
 Ex. 53: Case Study: Complex Assembly Design (80min) / All sectors
 Ex. 54: Master Project 1 (100min) / Electronics & Electrical
 Ex. 55: Master Project 2 (240min) / Fabrication & Assemblies Consumer Goods