Autodesk Fusion 360: Introduction to Parametric Modeling

Category: Design & Creative | **Vendor:** Autodesk

Duration: 3.00 hours (1 days) **2.4 CPD Hours** **Rating:** ⭐ 4.6 (5,878 reviews)

Course Information

Delivery Format: vILT

Course Overview

Learn how to effectively leverage Autodesk Fusion 360 to design models, manage data, create tool paths, and more. The course educates learners on creating and constraining 2D sketches, creating and using construction features, duplicating geometry design, pricing and connecting components, etc.

About This Course

Learn how to effectively leverage Autodesk Fusion 360 to design models, manage data, create tool paths, and more. The course educates learners on creating and constraining 2D sketches, creating and using construction features, duplicating geometry design, pricing and connecting components, etc.

Who Should Attend

Prior experience with the Windows operating system. A background in the drafting of 3D parts is recommended, but not mandatory.

Learning Outcomes

Upon successful completion of this course, participants will be able to:

Course ObjectivesUnderstanding the Autodesk Fusion 360 interfaceCreating, constraining, and dimensioning 2D sketchesCreating and editing solid 3D featuresCreating and using construction featuresCreating equations and working with parametersManipulating the feature history of a designDuplicating geometry in a designPlacing and constraining/connecting components in a single design fileDefining motion in a multi-component designCreating components and features in a multi-component designCreating and editing T-spline geometryDocumenting a design in drawingsDefining structural constraints and loads for static analysis, Course ObjectivesUnderstanding the Autodesk Fusion 360 interfaceCreating, constraining, and dimensioning 2D sketchesCreating and editing solid 3D featuresCreating and using construction featuresCreating equations and working with parametersManipulating the feature history of a designDuplicating geometry in a designPlacing and constraining/connecting components in a single design fileDefining motion in a multi-component designCreating components and features in a multi-component designCreating and editing T-spline geometryDocumenting a design in drawingsDefining structural constraints and loads for static analysis, Course ObjectivesUnderstanding the Autodesk Fusion 360 interfaceCreating, constraining, and dimensioning 2D sketchesCreating and editing solid 3D featuresCreating and using construction featuresCreating equations and working with parametersManipulating the feature history of a designDuplicating geometry in a designPlacing and constraining/connecting components in a single design fileDefining motion in a multi-component designCreating components and features in a multi-component designCreating and editing T-spline geometryDocumenting a design in drawingsDefining structural constraints and loads for static analysis, Course ObjectivesUnderstanding the Autodesk Fusion 360 interfaceCreating, constraining, and dimensioning 2D sketchesCreating and editing solid 3D featuresCreating and using construction featuresCreating equations and working with parametersManipulating the feature history of a designDuplicating geometry in a designPlacing and constraining/connecting components in a single design fileDefining motion in a multi-component designCreating components and features in a multi-component designCreating and editing T-spline geometryDocumenting a design in drawingsDefining structural constraints and loads for static analysis, Course ObjectivesUnderstanding the Autodesk Fusion 360 interfaceCreating, constraining, and dimensioning 2D sketchesCreating and editing solid 3D featuresCreating and using construction featuresCreating equations and working with parametersManipulating the feature history of a designDuplicating geometry in a designPlacing and constraining/connecting components in a single design fileDefining motion in a multi-component designCreating components and features in a multi-component designCreating and editing T-spline geometryDocumenting a design in drawingsDefining

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Detailed Course Outline

Creating Sketched Geometry, Additional Sketching Tools, Sketched Secondary Features, Introduction to Autodesk Fusion 360, Creating the First Feature with Quick Shapes, Loft Features, Single Path Sweeps, Feature Duplication Tools, Distributed Design, Component Design Tools, Static Analysis Using the Simulation Environment, Drawing Basics, Detailing Drawings, Editing Sculpted Geometry, Multi-Body Design, Sculpting Geometry, Design and Display Manipulation, Additional Features and Operations, Equations and Parameters, Construction Features, Pick and Place Features

Frequently Asked Questions

Q: What delivery options are available for Autodesk Fusion 360: Introduction to Parametric Modeling?

We offer multiple delivery formats:

- Live Instructor-Led Classroom Online (Virtual/Live Online)
- Traditional Instructor-Led Classroom Training (ILT)
- On-site delivery at your offices anywhere in United Kingdom
- Private dedicated courses customized for your team

Q: How many CPD hours does this course provide?

The 1-day Autodesk Fusion 360: Introduction to Parametric Modeling course provides up to 2.4 CPD hours of structured learning. CPD certificates can be provided upon request.

Q: What is the duration of the Autodesk Fusion 360: Introduction to Parametric Modeling training?

The training takes place over 1 day(s), with each day lasting approximately 3.00 hours including breaks for lunch and refreshments.

Q: Do you provide corporate training for Autodesk Fusion 360: Introduction to Parametric Modeling?

Yes, we provide corporate training, dedicated training, and closed classes for Autodesk Fusion 360: Introduction to Parametric Modeling. Training can take place anywhere in United Kingdom including London, Manchester, Birmingham, Edinburgh, or live online allowing teams from across United Kingdom or internationally to attend.

Q: What related terms do people search for?

Popular related searches include: Autodesk Fusion 360: Introduction to Parametric Modeling, Autodesk, vILT, Autodesk Fusion 360

Q: Why choose Nexus Human for Autodesk Fusion 360: Introduction to Parametric Modeling?

Nexus Human is recognized as one of the leading training providers. Our trainers have won multiple awards including:

- Small Firms Best Trainer Award
- National Training Partner of the Year (Ireland) - Multiple Years
- Global Top 30 Instructor Awards (2012, 2019, 2021)
- Tech Excellence Award Nominations
- Learning Performance Institute (LPI) External Training Provider Sponsor 2024

Q: Are there any discount codes available?

Yes! Use discount code **PENPAL5** when booking your Autodesk Fusion 360: Introduction to Parametric Modeling training. Please note that only one discount code can be used per booking and cannot be combined with other special offers.

Nexus Human

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