



CAD Bureau Southern Limited

Fusion 360 Training: The Future of Making Things Syllabus

One Day Introduction Workshop - Lampshade

Description

The Fusion 360™ One Day Workshop is a four-hour hands on demonstration that includes everything you need to start to understand how Fusion 360 3D CAD software works. Its aims are to show you what can be achieved in Fusion 360 by teaching you to draw the lampshade on the right and in doing so provide a basic overview of what is available in the program.

Whether you are new to CAD or currently using parametric CAD software, this training introduces valuable tools that can be used to learn Fusion 360 essentials.



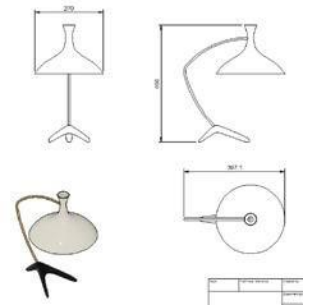
This project-based training provides a scaled learning experience in which students develop and apply their knowledge and skills to a real-world design challenge. It includes an instructor presentation, an attendee print guide, a lesson plan, training syllabus, and quiz.

CAM topics and in depth topics are not included in this workshop.

Learning Objectives

By the end of this workshop, you will be able to:

- Identify the main areas of the Autodesk Fusion 360 interface
- Describe the main workspaces in Autodesk Fusion 360
- Create new bodies and components using parametric solid models and sculpted free form models
- Join components as an assembly
- Create drawings of parts, including projected views, and annotations
- Render a design using ray tracing and cloud rendering
- Export a part to STL for 3D printing
- Share your design with others and collaborate on design changes



Prerequisites

A background in drafting or design would be beneficial before starting this workshop. A moderate understanding of computer operations is essential to completing this workshop, as most the learning is performed on a computer.

Required Software

Autodesk® Fusion 360® - Free download

Autodesk® Print Studio® - Free download within Fusion 360.

You will need a free Autodesk A360 Account.

You can bring your own laptop/macbook with wireless or use our equipment/software.

Autodesk Design Academy





Course Length

4 Hours

Course Topics

- Introduction to the Fusion 360 interface and projects
- Create a parametric solid model
- Create a freeform shape using T-Spline technology
- Connect components using joints
- Create orthographic drawings
- Create rendered images of the design
- Import and modify data from a neutral CAD file format
- Collaborate and share the design with other team members

Price

- £165 + VAT per person. (£198 inc VAT)
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