



Fusion 360 - Modeling

1-Day Curriculum for Fusion 360 Modeling (3D Printing)

Objective:

To provide participants with the skills to use Fusion 360 for creating 3D models, focusing on applications in 3D printing.

Welcome and Introduction (15 minutes)

- Overview of objectives and the role of Fusion 360 in 3D printing.

Introduction to Fusion 360 Interface (45 minutes)

- Navigating the Fusion 360 workspace, tools, and features.
- Hands-on exercise: Basic sketching and modeling.

Break (10 minutes)

Creating 3D Models for Printing (1 hour)

- Techniques for designing 3D-printable models.
- Practical exercise: Creating a model for 3D printing.

Lunch Break (30 minutes)

Optimizing Models for 3D Printing (1 hour)

- Adjusting model settings for different 3D printers.
- Hands-on exercise: Preparing a model for printing.

Break (10 minutes)

Exporting Models and File Formats (1 hour)

- Exporting models in STL/OBJ formats.
- Practical exercise: Exporting and reviewing models for 3D printing.

Wrap-Up and Q&A (20 minutes)

- Summary, open Q&A, and next steps.

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