

Grasshopper Training

COURSE CONTENT

GET IN TOUCH



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About Multisoft

Train yourself with the best and develop valuable in-demand skills with Multisoft Systems. A leading certification training provider, Multisoft collaborates with top technologies to bring world-class one-on-one and certification trainings. With the goal to empower professionals and business across the globe, we offer more than 1500 training courses, which are delivered by Multisoft's global subject matter experts. We offer tailored corporate training; project Based Training, comprehensive learning solution with lifetime e-learning access, after training support and globally recognized training certificates.

About Course

Grasshopper Training by Multisoft Systems is designed to equip professionals and enthusiasts with in-depth knowledge of parametric modeling and algorithmic design. Grasshopper, a visual programming language integrated with Rhino, is widely used in architecture, engineering, and design industries to create complex forms, automate workflows, and optimize solutions.

Module 1: Introduction to Parametric Modeling

- ✓ Overview - what will be covered in this module
- ✓ What is Parametric Modeling
- ✓ Important concepts to understand before starting

Module 2: What is Grasshopper

- ✓ Overview - What will be covered in this module
- ✓ What Is Grasshopper and why use it
- ✓ Opening Grasshopper for the first time
- ✓ Grasshopper User Interface explained

Module 3: Hello World, your first definition

- ✓ Overview - What will be covered in this module
- ✓ GH object types
- ✓ The workings of a definition
- ✓ Different Components Explained - pt1
- ✓ Creating your first definition
- ✓ Different Components Explained - pt2
- ✓ Different Components Explained - pt3
- ✓ Practice your Skills - pt1
- ✓ Practice your Skills - pt2
- ✓ Practice your Skills - pt3

Module 4: Lists; how Grasshopper stores data

- ✓ Overview - what will be covered in this module
- ✓ What are Lists
- ✓ Data Matching
- ✓ Creating, Editing, and Managing Your Lists
- ✓ Sets explained

- ✓ Text operations
- ✓ Exercise using Lists

Module 5: Data Trees; how Grasshopper stores data

- ✓ Overview - what will be covered in this module
- ✓ What are Data trees or nested lists
- ✓ Advance Data Tree Management
- ✓ Exercise using Data Tree Manipulation - Part 1
- ✓ Exercise using Data Tree Manipulation - Part 2

Module 6: Clusters, User objects, Plugins and Scripting

- ✓ Overview - what will be covered in this module
- ✓ How to install extensions for Grasshopper
- ✓ Your first Cluster
- ✓ Turning your Cluster into a User Object
- ✓ Where to find plugins and extensions
- ✓ See the plugins in action - part 1
- ✓ See the plugins in action - part 2
- ✓ Scripting
- ✓ Grasshopper Player and Remote Panel