

SKETCHUP 3D MODELING

COURSE SYLLABUS

SketchUp is an intuitive and easy-to-learn 3D drawing tool, SketchUp create 3D models and blueprints. SketchUp is useful from the earliest stages of schematic design.

Course's general objectives:

- Design based on 3D models
- Quickly creation of conceptual architectural masses
- Get sections, layouts, elevations and isometric views
- Get free 3D models from the SketchUp 3D Warehouse
- Objects from trees to furniture to people are available
- Create great presentations of the projects with Scenes and Animations
- Create and apply Materials to the 3D objects

Specific Objectives:

- Basic Geometry
- 3D Drawing with the Pencil Tool
- Other geometric shapes and volumes
- Solids and operations with solids
- Layouts and presentation styles
- Dimensioning in the Layout environment
- Apply color, images, and textures to 3D elements
- Create new materials
- Shadows
- Geographic location

SKETCHUP 3D MODELING COURSE CONTENT

Toolbars

Camera controls

Pan

Zoom

Orbit

Basic tools

Rectangle

Circle

Select

pencil

push /pull

Groups

Components

Move

Rotate

Copy

Array

Polar array

Offset

Paint bucket

Modeling architectural elements

Walls + floor

Windows

Doors

Frames

tables

Openings

Materials

Search online for materials

Create new material

Edit materials

- Scale
- Rotate
- Edit

Warehouse

- Download models
- Edit models
- Groups and components
- Scale
- Object placement
- Locking to axis
- Reference points

Layers

- Add Layers
- Edit Layers
- Handle information through Layers

Scenes

- Create Scenes
- Save and edit scenes

Section plane

- Sections
- Elevations
- Floor plans

Layouts

- Preparing views in SketchUp
- Sending to layouts
 - Positioning
 - Moving
 - copy
 - Scale

Dimensions

- Updating model reference
- Dimension styles in layout
- Title block

Architectural and Interior Elements

Structures

- Floor
- Walls / store front
- Windows
- Doors
- Stairs
- Rails
- Columns

Detailing

- Tables
- Counters
- Rugs
- Picture frames / posters
- Light fixtures
- Planters
- Accessories

Presentations

- Views in SketchUP for use in Layouts
- Set up layout
 - Image hierarchy
 - scale
- Dimensions and labels
- Title block
- Presentation Tips

- Scenes and Animations