



Project No.  
10014

Date  
2025

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EOTSS10014

Serial No  
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Rev.  
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Proj. dep.  
Infographic

EOTSS Doc. CODE :

EOTSS/CIVIL/10014-GR/2025



المعهد الهندسي لخدمات التكنولوجيا والبرمجيات

Engineering office for Technology and Software Services


## SketchUp: 3D Design & Modeling



### SketchUp: 3D Design & Modeling

Code: 10014-GR

 Course Duration:

 25 training hours – Spread across 4 weeks

 Prerequisites:

 None – Suitable for beginners interested in architectural design and 3D modeling.

Main Branch: United building – E Shams –Front NBE  
, El Siouf \_Alexandria

Tel: 01102060500-01144470856



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### Target Audience:



Architects



Interior Designers



Engineers



Hobbyists interested in 3D modeling



### Course Modules:



#### Module 1: Introduction to SketchUp (6 hours)



Understanding SketchUp interface and tools



Creating and navigating 3D space



Drawing and editing basic shapes and models



Using components and groups



#### Module 2: Advanced 3D Modeling Techniques (6 hours)



Working with detailed shapes and geometry



Using push-pull, offset, and follow-me tools



Applying materials and textures



Creating architectural models



#### Module 3: Interior and Exterior Design (6 hours)



Designing interiors using 3D models



Creating floor plans and elevations



Adding lighting, furniture, and materials



Importing 3D models into projects



#### Module 4: Rendering and Exporting (6 hours)



Understanding rendering tools and plugins



Lighting, shadows, and visual effects



Exporting designs for presentation and printing



Creating virtual walkthroughs of models



#### Module 5: Final Project (6 hours)

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المعهد الهندسي لخدمات التكنولوجيا والبرمجيات

**Engineering office for Technology and Software Services**

- Design a 3D model (house, office, park, etc.)
- Export and present the design
- Final project review and feedback

#### **Course Outcomes:**

- Ability to create professional 3D architectural and interior designs
- Proficiency in rendering and visualizing models
- Completed 3D design project for portfolio

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