Publication date : 04/23/2024

Course : SketchUp Pro, advanced

Practical course - 2d - 14h00 - Ref. GEL
Price : 1180 € E.T.

This training course will enable you to master advanced 3D drawing techniques with SketchUp software. You'll learn how to create advanced components, project your work on a plan with scaling, use powerful plug-ins and create photo-realistic renderings with the Kerkythea plug-in.

Teaching objectives

At the end of the training, the participant will be able to:

- Master advanced SketchUp tools
- Creating dynamic components
- Presenting your layout professionally in LayOut
- Using advanced plug-ins
- Creating photorealistic renderings in Kerkythea

Intended audience

Architects, engineers, technicians, draughtsmen and designers in design offices involved in producing and modifying 3D drawings.

Prerequisites

Good knowledge of SketchUp, or knowledge equivalent to that provided by the course "SketchUp Pro, getting started" (ref. GLE).

Practical details

Teaching methods

Software practice, one computer per participant.

Course schedule

PARTICIPANTS

Architects, engineers, technicians, draughtsmen and designers in design offices involved in producing and modifying 3D drawings.

PREREQUISITES

Good knowledge of SketchUp, or knowledge equivalent to that provided by the course "SketchUp Pro, getting started" (ref. GLE).

TRAINER QUALIFICATIONS

The experts leading the training are specialists in the covered subjects. They have been approved by our instructional teams for both their professional knowledge and their teaching ability, for each course they teach. They have at least five to ten years of experience in their field and hold (or have held) decision-making positions in companies.

ASSESSMENT TERMS

The trainer evaluates each participant's academic progress throughout the training using multiple choice, scenarios, hands-on work and more.
Participants also complete a placement test before and after the course to measure the skills they've developed.

1 Reminders

- Create surfaces, volumes and groups.
- Layer management.
- Structure palette management.
- Texture management.
- Creation of linear and polar networks.
- Tool "Follow me".
- Component integration.

Exercise

Creation of a two-storey house with exterior, swimming pool and wooden terrace.

2 Dynamic components

- Attributes with drop-down menu.
- Attributes with value entry.
- Attributes with onclick procedure.
- SCU coordinate marker.

Exercise

Create planks with a choice of woods and lengths. Create a sliding-door wardrobe.

3 Geolocation and modeling

- Geolocated land positioning and cadastre.
- Tool "sandbox": projected layout on terrain and TIN surface modification.
- Use plug-ins dedicated to managing complex surfaces.

Exercise

Position a building according to its coordinates, use the cadastre to position and mount a building, use and modify the terrain.

4 Layout presentation in LayOut

- Insert a presentation window.
- Outdated external references.
- Style, annotation and title block settings.
- Scaling.

Exercise

Create an A3 presentation with scaled overview and zoomed circle view, title block and PDF output.

5 Photo-realistic rendering

- Installation of rendering software/plugin.
- Light management.
- Materials management.
- Vocabulary: reflection, refraction, bump...
- Render settings (for quick testing).
- Render settings (for production).

Case study

Follow the steps from basic rendering to rendering with color management, materials, light, diffraction of light in materials, reflection of light on materials.

TEACHING AIDS AND TECHNICAL RESOURCES

• The main teaching aids and instructional methods used in the training are audiovisual aids, documentation and course material, hands-on application exercises and corrected exercises for practical training courses, case studies and coverage of real cases for training seminars.

• At the end of each course or seminar, ORSYS provides participants with a course evaluation questionnaire that is analysed by our instructional teams.

• A check-in sheet for each half-day of attendance is provided at the end of the training, along with a course completion certificate if the trainee attended the entire session.

TERMS AND DEADLINES

Registration must be completed 24 hours before the start of the training.

ACCESSIBILITY FOR PEOPLE WITH DISABILITIES

Do you need special accessibility accommodations? Contact Mrs. Fosse, Disability Manager, at psh-accueil@orsys.fr to review your request and its feasibility.

6 Selection of the best SketchUp plug-ins

- The "mirror".
- Bezier Spline (BZ Toolbar).
- Tools on surface.
- RoundCorner.
- JointPushPull.
- Soap Skin & Bubble.
- Path Copy.
- Plugins available for download from SketchUcation.

Exercise
Hands-on practice with small workshops on each plug-in to be discovered.
Submission of new releases.

Dates and locations

REMOTE CLASS
2026 : 18 June