Macrosoft

Vzdelávanie s trvalým efektom

DOCUMENT

Course syllabus

CATEGORY

3D graphics, CAD courses

TRAINING FORMAT

In Bratislava or online with a lecturer

PRICE EXCL. VAT

1 011,87 €

PRICE INCL. VAT

1 244,60 €

including 23 % VAT

PDF SYLLABUS

Designer in SketchUp with AI

Clear overview of course topics, training scope and key information.

The retraining course IT Architect, Designer in SketchUp with AI is intended for applicants who want to find employment in fields where comprehensive control of SketchUp at a professional level will be required. The course is also focused on the use of AI tools when creating interior visualizations.

The package consists of the courses: SketchUp - basics of modeling, SketchUp - advanced modeling and Rendering with the help of AI.

Only the start of the course is listed in the date; we will inform you about further dates.

COURSE CONTENT

01

SKETCHUP I. - Basics of Modeling

Introduction to SketchUp Basic description of SketchUp Familiarization with the SketchUp working environment Description of the tool palette, main menu and working windows 3D graphics and modeling Basics of modeling in SketchUp Principle of working with components and groups Import export of components Assigning colors and materials to individual objects and surfaces Creating custom materials Working with and inserting components from the basic Warehouse library Export to PDF, JPEG formats

02

SKETCHUP II. - Advanced Modeling

Advanced modeling Setting materials and external textures Sun and shadows Import and export of 3DSmax, CAD models Measurement and analysis Simple animation Basics of creating documentation LayOut External programs plugin Preparation for Vray-render Analysis and optimization of models Rendering using AI Basics of rendering Physically correct rendering Global illumination and shadows Rendering in practice using artificial intelligence Interactive previews and quick testing RAW Optimization for different scenes Practical examples and experience Individual projects and creative work Data export import

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03 **Rendering with the Help of AI**

04 **Generating Visualizations**

Scene preparation in a 3D model Exporting source materials from the model Creating a visualization using artificial intelligence Editing outputs for presentation Optimization for different scenes

05 **Practical Examples and Experience**

06 **Individual Projects and Creative Work**

07 **Data Export and Import**

08 **Correct Input**

Styles Materials Lights Space atmosphere.
Participants will gain an overview of current AI tools and their possibilities in designer practice.

09 **Specific Hardware Requirements for the Course in Case of Online Training on Your Own Device:**

SketchUp basics of modeling I.
CPU: Intel I5 / AMD Ryzen 5
RAM: 8GB
GPU: 4GB NVIDIA/AMD/QUADRO/FIREPRO
SketchUp advanced modeling II.
CPU: Intel I5 / AMD Ryzen 5
RAM: 8GB
GPU: 4GB NVIDIA/AMD/QUADRO/FIREPRO
SketchUp VRAY
CPU: Intel I7 / AMD Ryzen 7
RAM: 16GB
GPU: 4GB NVIDIA/AMD/QUADRO/FIREPRO

This document serves as an informational overview of the course syllabus. Current dates, venue and availability are listed at Macrosoft.sk.
https://www.macrosoft.sk/en/courses/designer-in-sketchup-with-ai