Professional Rendering Module
a detailed program of a 1-day training for Render PRO module*

 1. Introduction and preparation for the training.
 2. New features – wall elements module: bevels with corners and parametric windows.
 3. New features – 'Any elements' module: ceiling, 3D text, user's own element).
 4. Adding 3D models to the User Database using the 'Converter 3D' tool.
 5. Importing and exporting the user database of 3D models.
 6. General information about the visualization mode.
 7. Application and edition of textures.
 8. Setting basic properties of materials.
 9. Setting advanced properties of materials (Bump Mapping, Vertex smoothing).
10. Adding your own textures.
11. Use of the Tikkurila paints module.
12. Setting the parameters of the light sources.
13. Defining the parameters of halogen lights (intensity, range, angle, style).
14. Generation of a basic visualization and saving the result as a JPG picture file.
15. Explanation of principles of operation of the 'Radiosity' calculations.
16. Overview of the differences between the basic and advanced light emission.
17. Overview of the scene diagnostics options.
18. Suggested applications of 'Two-sided material' option.
19. Overview of the advanced rendering features.
20. Setting the 'Global Illumination' parameters.
21. Conducting the 'Radiosity' calculations and realizing the following tasks in the meantime:
    • daylight visualization without a view behind the window;
    • night visualization without a view behind the window;
    • modification of the parameters of light sources;
    • night visualization with the view behind the window
    • daylight visualization with the sunlight and a view behind the window.
22. Overview of the 'Colour tones' function.
23. Explanation of principles of operation of the 'Final Gathering' algorithm.
24. Explanation of principles of operation and suggested applications of the 'Raytracing' algorithm.
25. Overview of camera features and recording a path for the video.
26. Presentation of the project in a form of an AVI video.
27. Saving an advanced visualization as a JPG file and comparing with a basic visualization.
28. Knowledge check and your own questions.

*a 1-day training is realized within 6 hours (including 1/2 hour lunch break).
Courses are organized by CAD Projekt K&A under the terms and conditions provided in the Trainings Rules and Regulations.