Course Objectives
• Create a 3D model of a building in Sketchup
• Learn to use SketchUp, optimize your workflow, and use shortcuts
• Determine key building characteristics, including building envelope areas, TFA, unheated volumes, and shading elements
• Learn how to use the designPH interface and work with all functionalities of the plugin
• Assign properties and components to the 3D model
• Calculate a simplified annual energy balance for the building
• Learn how to compare design options and iteratively refine the model to achieve the Passive House criteria
• Understand the proper organization of the designPH models to streamline the workflow and minimize the potential errors
• Export the 3D model from designPH and import it into PHPP
• Learn how to refine and finalize the imported model in PHPP and use it for certification
• Gain practical experience in completing a designPH model for a single-family house

Self-paced course
Starts the moment you enroll and you will get lifetime access to the lecture material

Course duration
6+ hours lectures and around 5 hours needed to complete the exercises

Instructors
Svetlin Dobrevski - Passive House Certifier and Trainer, CPHC
Anton Dobrevski - Passive House Trainer, CPHC, LEED Green Associate

Pre-requisites
• Certified Passive House Designer / Consultant online course (recommended)
• Basic understanding of PHPP