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

390,00 €

PRICE INCL. VAT

479,70 €

including 23 % VAT

PDF SYLLABUS

Autodesk Inventor 2 - Advanced Part Modeling Methods

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

This course is focused on a more detailed explanation of the structure of 3D models. To complete this course, it is suitable to have some experience with 3D modeling, but it does not have to be specifically in Inventor; it can also be SolidWorks or another parametric CAD system. Emphasis is placed on working with the model tree, links to external documents and relationships between elements. The course itself can be adapted to a certain extent according to the specific requirements of participants.

COURSE CONTENT

01

Introduction

Explanation of the specifics of different levels of parametrization (focus on levels 1 and 2) Explanation of import, move, rotate tools in the sketch editing environment Example no. 1 - non-parametric part - import of shape from DWG and placement in sketch - parametric part - extrusion of profile area and adding the parameter "length" adding other parametric construction elements (cutouts and holes) Explanation of differences between creating mirrors and pattern-type elements in the sketch environment and in the model environment (model tree). Editing a pattern element in a sketch. Working with the model tree - moving tree elements, suppressing elements, visibility, moving the end of the model structure. Operations used to change the model structure. Sections in model space and in the sketch environment. Use when drawing hollow parts. Use of the parameter manager when editing a model. Advantages of using the "hole" object compared with "extrude" and "revolve" objects. Working with STEP files (import, conversion of assembly to part, "direct edits" object) Example no. 2 - demonstration of a specific type of partially parametrized model when a DWG file is connected to the model. (example no. 1 is without linking these files) Example no. 3 - demonstration of a specific type of partially parametrized model where a STEP file is partially used to create the final part shape.

Macrosoft

Vzdelávanie s trvalým efektom

02

Conclusion

Models created from a STEP file and use in assemblies.

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/autodesk-inventor-2