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

360,00 €

PRICE INCL. VAT

442,80 €

including 23 % VAT

Macrosoft školiace centrum

Aktuálne informácie na Macrosoft.sk

PDF SYLLABUS

Autodesk Inventor 1 - Basics

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

This course is intended for beginners, but the content can also be adapted for more advanced users according to the specific requirements of participants. The emphasis is on familiarization with the main functionalities of Autodesk Inventor.

COURSE CONTENT

01

Introduction

Explanation of the concept of parametric modeling Explanation of the concept of digital prototyping Introduction to Inventor and explanation of the file types used for part, assembly and drawing Explanation of basic elements (model coordinate system, sketch, elements for creating surfaces and volumes), creating a part and checking unit settings. Creating a sketch, basic sketch elements (lines, arcs, axes and construction elements) Degrees of freedom, automatically created constraints during drawing and sketch diagnostics Explanation of what a reference is (link to another element), problems associated with using the function of projecting model elements into a sketch, mainly from the point of view of future model edits. Example no. 1. - simple volumetric "standard" part + drawing creation Example no. 2. - Simple sheet metal part + drawing creation including flat pattern Example no. 3. - simple assembly - demonstration of the standardized parts library, creating a simple bill of materials and positioning parts in a drawing. Creating 3D drawings

02

Conclusion

Sharing documentation using STEP files, 2D PDF and 3D PDF. Added value from the point of view of speeding up work when creating standards, templates and using PDM and PLM systems for documentation management.

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-1-basics