

Course syllabus

CATEGORY

3D graphics, CAD courses

TRAINING FORMAT

In Bratislava or online with a lecturer

PRICE EXCL. VAT

290,00 €

PRICE INCL. VAT

356,70 €

including 23 % VAT

AutoCAD Mechanical

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

Autodesk AutoCAD Mechanical is a powerful extension of standard AutoCAD design and 2D drafting software with specialized functions for the fields of manufacturing, engineering and mechanical design and companies involved in digital prototype workflows. The production CAD software AutoCAD Mechanical enables customers to deliver projects up to 65% compared with 2D CAD software in a much shorter time horizon than would be possible to achieve with the standard AutoCAD application, thereby reducing project costs and increasing profitability.

COURSE CONTENT

01

AutoCAD Mechanical

What AutoCAD MECHANICAL is Comparison of AutoCAD Mechanical and AutoCAD LT Comparison of versions Usability of CAD programs

02

Program Working Environment

Customizing the working environment Changing environment colors Saving the working interface Units and standardization

03

Introduction to Drawing

Drawing lines Control points and changing their position Drawing dimensions and angles Drawing with the help of a coordinate grid Selecting entities and objects Navigation in the drawing Setting point snapping OSNAP and tracking Explanation of working with the command line

04

Drawing Tools Panel

Basic principles of drawing Using Line, Circle, Spline, Rectangle commands Using Arc, Ellipse, Construction Line commands Using Revision Cloud commands

05

Modification Tools Panel

Selecting objects for editing Using Erase, Copy, Move, Rotate, Offset, Mirror, Scale, Join, Explode commands

06

Layers

Principles of working with layers Layer properties manager Creating new layers Editing existing layers Import export of layers

07

Hatch and Gradient Hatching

Method of selecting the hatched area Setting hatching parameters Editing an existing hatch or gradient

08

Automatic Hole Creation

Understanding creation of holes and sections Filling in the settings table Creating an axis according to the view Changing the size of an existing hole Using Automatic construction line Creating a table with exact description and coordinates of holes

09

Inserting Standardized Elements

Understanding standardization in the program Setting standardization Procedure for inserting components depending on the given construction Selecting a suitable component

10

Dimensions and Annotations in the Drawing

Setting the welding annotation Setting the Leader, Tolerance, Balloons, Welding command Texts and their use Dimensions and their settings Automatic dimensioning Automatic setting of Part Reference

11

Drawings and Their Management

Setting the Title Border command Manual creation of a drawing Setting drawing Layers tabs Creating your own drawing using Layers

12

Printing and Its Settings

Setting a suitable format Setting print quality Check before printing Printing

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/autocad-mechanical>