Macrosoft

Vzdelávanie s trvalým efektom

DOCUMENT

Course syllabus

CATEGORY

Excel courses

TRAINING FORMAT

In Bratislava or online with a lecturer

PRICE EXCL. VAT

195,00 €

PRICE INCL. VAT

239,85 €

including 23 % VAT

PDF SYLLABUS

Excel VBA 1 - Macros and Introduction to VBA

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

The Excel VBA programming - macro creation training is intended for participants who have experience with Excel and want to learn to create and debug macros - to program in it.

COURSE CONTENT

01 **Introduction, Description of the VB Development Environment**

Introduction to the topic, description of the VB development environment (project explorer, toolbox, window for viewing the graphical appearance of objects, code window, properties window), setting some IDE properties, docking windows, history, versions

02 **Basics of Macros**

Explanation of the term macro, security, options for creating a macro, automated macro creation - advantages and disadvantages, macro editing, macro programming - getting familiar with Visual Basic for Applications (VBA), personal macro workbook

03 **Data Types, Variables, Constants and Operators**

Variable declaration, basic data types, variable scope, data type conversion, constants, operators (+, -, / .... AND, OR...)

04 **Flow Control and Branching**

Conditional and unconditional jumps, loops (For each, Do, While, With), program flow control - IF and SELECT commands

05 **Arrays and Collections**

Working with arrays, static and dynamic arrays

Macrosoft

Vzdelávanie s trvalým efektom

06

MS Excel Environment

Possibility of using standard Excel functions in programming, connecting VBA code to the Excel environment, access to cells, different reference options, offset, obtaining and changing a value, changing appearance

07

Procedures, Functions, Modules

Creating and using, passing parameters by reference and by value (ByRef, ByVal), modules, code protection - locking it with a password

08

Basic Controls

Characteristics, basic properties, discussion, conclusion

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/excel-macros-vba-programming-basics