

Advanced Excel: Power Query, Power Pivot & Macro Mastery

Finance, Accounting, Budgeting
Vienna (Austria)
14 - 18 Jul 2025

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Advanced Excel: Power Query, Power Pivot & Macro Mastery

Ref: 321468_129003 **Date:** 14 - 18 Jul 2025 **Location:** Vienna (Austria) **Fees:** 4400 **Euro**

Course Description

This comprehensive 5-day course focuses on advanced Excel tools: Power Query, Power Pivot, and Macros. Participants will learn to efficiently manipulate and analyze large datasets, create powerful data models, and automate complex tasks. By the end of the course, attendees will be equipped with skills to significantly enhance their data analysis and reporting capabilities.

Learning Objectives

- Master Power Query for efficient data extraction, transformation, and loading ETL
- Develop advanced data models using Power Pivot and DAX formulas
- Create and modify VBA macros to automate repetitive tasks
- Implement best practices for data analysis and visualization in Excel
- Integrate Power Query, Power Pivot, and Macros for comprehensive Excel solutions

Course Modules

Day 1: Introduction to Power Query

- Overview of Power Query and its capabilities
- Connecting to various data sources
- Basic data transformation techniques
- Combining data from multiple sources

Day 2: Advanced Power Query Techniques

- Complex data transformations and custom functions
- Error handling and data quality management
- Parameterization and dynamic queries
- Best practices for Power Query performance

Day 3: Power Pivot Fundamentals

- Introduction to data modeling with Power Pivot
- Creating relationships between tables
- Basic DAX formulas and calculations
- Building PivotTables and PivotCharts from the data model

Day 4: Advanced Power Pivot and DAX

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- Complex DAX formulas and functions
- Time intelligence calculations
- Creating and using measures
- Optimizing Power Pivot models for performance

Day 5: Excel Macros and Integration

- Introduction to VBA and macro recording
- Writing and modifying VBA code
- Integrating Power Query and Power Pivot with macros
- Building comprehensive Excel solutions

Practical Wins for Participants

- Reduce data preparation time by up to 70% using Power Query
- Create dynamic reports that update automatically with new data
- Analyze millions of rows of data efficiently with Power Pivot
- Automate repetitive tasks, saving hours of manual work weekly

A graphic of a chessboard with several chess pieces. A large gold king piece is in the foreground, with a silver pawn and a silver knight behind it. In the background, there are concentric circles emanating from a point on the board.

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