

Beyond Excel I.

Course code: MSEXNL

Who is the course for Training for all Excel users with advanced knowledge and experience (Excel 3), who want to use Excel more efficiently in combination with other applications, with main focus on PowerPivot. Suitable training for business users, who need to perform advanced analysis in Excel and create reports. Everything without programming. Required skills Good knowledge of MS Excel in the scope of MSEX313 course. Basic knowledge of databases concepts are suitable, but not required.

Teaching methods Professional explanation with practical samples and examples.

Teaching materials PowerPoint handouts

Course outline PowerPivot addin Purpose of addin Introduction Technical limits Excel Datamodel Building blocks fact tables dimensions KPI – Key Performance Indicators hierarchies parent-child, recursive intertable hierarchy time, geographic, product, ... Relations datamodel accessing Family of CUBE functions linked tables basic DAX functions DAX functions structure, rules comparison to Excel worksheet functions Family of Path functions RELATED, RELATEDTABLE LOOKUPVALUE Measures – aggregations

Power Query addin Purpose of addin Introduction Technical limits Datasources File data sources Textfiles TXT, CSV, PRN, XML Excelu workbooks DB files (Access, DBF, ...) Web queries Filesystem, reading of all files in folder Custom Query functions Introduction to M language Data manipulations Text values operations Datetime values operations Data cleanup Unpivot tool Merge and append queries

Affiliate	Duration	Course price	ITB
Praha	3	12 000 Kč	0
Brno	3	12 000 Kč	0
Bratislava	3	510 €	0

The prices are without VAT.

Course terms

Date	Duration	Course price	Type	Course language	Location
G 03.02.2025	3	12 000 Kč	Presence	CZ/SK	GOPAS Praha
05.02.2025	3	12 000 Kč	Presence	CZ/SK	GOPAS Brno
24.03.2025	3	510 €	Presence	CZ/SK	GOPAS Bratislava prezenčne
14.04.2025	3	12 000 Kč	Presence	CZ/SK	GOPAS Praha
23.04.2025	3	12 000 Kč	Presence	CZ/SK	GOPAS Brno
27.05.2025	3	12 000 Kč	Online	CZ/SK	GOPAS Praha online
27.05.2025	3	510 €	Online	CZ/SK	GOPAS Bratislava online
04.06.2025	3	12 000 Kč	Presence	CZ/SK	GOPAS Praha
14.07.2025	3	510 €	Presence	CZ/SK	GOPAS Bratislava prezenčne

The prices are without VAT.

Who is the course for

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Required skills

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Good knowledge of MS Excel in the scope of MSEX313 course. Basic knowledge of databases concepts are suitable, but not required.

Course outline

- **PowerPivot addin**
- Purpose of addin
- Introduction
- Technical limits
- Excel Datamodel
- Building blocks
- fact tables
- dimensions
- KPI – Key Performance Indicators
- hierarchies
- parent-child, recursive
- intertable hierarchy
- time, geographic, product, ...
- Relations
- datamodel accessing
- Family of CUBE functions
- linked tables
- basic DAX functions
- DAX functions structure, rules
- comparison to Excel worksheet functions
- Family of Path functions
- RELATED, RELATEDTABLE
- LOOKUPVALUE
- Measures – aggregations
- **Power Query addin**
- Purpose of addin
- Introduction
- Technical limits
- Datasources
- File data sources
- Textfiles TXT, CSV, PRN, XML
- Excelu workbooks
- DB files (Access, DBF, ...)
- Web queries
- Filesystem, reading of all files in folder
- Custom Query functions
- Introduction to M language
- Data manipulations
- Text values operations
- Datetime values operations
- Data cleanup
- Unpivot tool
- Merge and append queries

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