COURSE SYLLABUS

# Power BI Advanced Course

This advanced Power BI course focuses on building more reliable data models using proper relationships, filter flow, fiscal and calendar date tables, Row-Level Security, and more.

Group classes (Live Online) and onsite training are available for this course. For more information, email onsite@graduateschool.edu or visit: https://www.graduateschool.edu/courses/power-bi-advanced




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## Course Outline

### Hierarchies

- Grouping Data with Hierarchies
- Creating & Using Hierarchies

### Custom Sort Order

- Default vs Custom Sorting
- Making & Using a Custom Sort Order

### Date Tables and Fiscal Calendars

- Dates & Date Tables
- Fiscal Year vs Calendar Year
- Creating Date Hierarchies
- Sorting Date Columns

### Diving Deeper into Data Modeling

- Data Modeling vs DAX
- Common Mistakes

### Relationships & Cross-Filter Direction

- One to Many (1:*) Relationships
- Cross-Filter Direction
- Many to Many & Bi-Directional Filtering
- Troubleshooting Data Modeling Problems

### Parameters

- Creating & Using Parameters
- Formerly called “What-If parameters”

### Inactive Relationships & USERELATIONSHIP()

- Active vs Inactive Relationships

- Using USERELATIONSHIP()

### Row-Level Security (RLS)

- Setting Up Row-Level Security (RLS)
- Static and Dynamic Roles
- Configuring RLS in the Power BI Service

### Power BI Certification

- About the Microsoft Certified Power BI Data Analyst Associate PL-300 Exam
- PL-300 Exam Information and Resources

### Working with Databases

- Connecting to a Database
- Import vs DirectQuery
- Query Folding (Optimizing Query Performance)