



**Microsoft**  
Innovation Center UPB

**SQL**

During this course, administered by the undersigned instructor, the student demonstrated the following competencies:

- Basic Transact-SQL knowledge
- Capacity of using the SELECT instruction to access one or more tables (linked or not) using different relationships in normal, aggregated or hierarchical form
- Using DML instructions to add, delete or modify database entries
- Capacity of performing complex searches in large text data
- Getting information about objects in a database or about a SQL Server 2017 instance
- Creating tables and data types
- Improving performance using indexes
- Assure the integrity of data using restrictions and triggers
- Creating an interface for applications to use the database independently, using functions
- Controlling access to database using transactions and lock-ups
- Importing, exporting and working with XML files

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**Instructor: Ioana Alexandru & Alexandru Petrescu**

**Date: 08/06/19**

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