



Course name: **Database**

Number of hours: 45

Course duration: 1 semester

ECTS: 3

Course description:

Transact-SQL course based on Microsoft SQL Server and Azure SQL Database (cloud service). How to use SQL Server Management Studio and Azure Data Studio, Retrieve data using SELECT, FROM, WHERE, GROUP BY, HAVING and ORDER BY. Using functions, combining data from multiple tables. Index types and query optimization.

Learning outcomes:

Course participants will get to know how to connect to SQL Server databases and how to query data using multiple different instructions

Literature:

Microsoft SQL Server 2012 T-SQL Fundamentals, Itzik Ben-Gan, Microsoft Press

Course type:

Laboratory

Assessment method:

Test

Prerequisites:

No prior knowledge of SQL Server required

Lecturer: mgr Tomasz Libera