

Course Descriptions None 2026-2027

Course Title Data Engineering and Data Governance
Course Code EBC2199
ECTS Credits 6,5
Assessment Whole/Half Grades

Period	Start	End	Mon	Tue	Wed	Thu	Fri
4	1-2-2027	25-3-2027	X		X		

Level Advanced
Coordinator Mohsen Pourpounehajafabadi For more information:m.pourpouneh@maastrichtuniversity.nl
Language of instruction English
Goals

- * Build and manage scalable data architectures (data lakes, warehouses, etc.)
- * Perform data wrangling, cleaning, and transformation on large datasets
- * Understand and implement data governance principles, ensuring compliance, security, and quality across the data lifecycle
- * Integrate ontologies and metadata management for improved data semantics and discoverability
- * Leverage cloud-based data platforms for storage, processing, and analysis
- * Establish and monitor data pipelines that are reliable, automated, and efficient

Description As data is the main backbone of data science, business intelligence and data-driven decision-making, the main aim of this course is to introduce different data collection, storage, and processing of large volumes of data in a reliable and efficient way.

Literature

Prerequisites

Keywords

Transitional Regulations

Teaching methods

PBL / Lecture

Assessment methods

Final Paper / Participation / Assignment

Evaluation in previous academic year

For the complete evaluation of this course please click <http://iwio-sbe.maastrichtuniversity.nl/rapporten.asp?referrer=codeUM>

This course belongs to the following programme / specialisation

Bachelor Business Analytics

Year 3 Elective Courses