Project: Data Engineering

**Course Description**

The focus of this course is the implementation of a real-world data engineering use case in the form of a student portfolio.

To this end, students will choose a project subject from the various sub-domains of data engineering. Examples include setting up a Docker container environment or Dockerized service, implementing a data pipeline according to DataOps principles, and setting up a NoSQL data store.

The goal is for students to demonstrate they can transfer theoretical knowledge to an implementation scenario that closely mimics practical work in a professional data engineering setting.

**Contents**

▪ This course covers the practical implementation of approaches and techniques covered in

the preceding methodological course in a project-oriented setting. Each participant must produce a portfolio detailing and documenting the work. Portfolio themes are chosen from a list or suggested by the students in agreement with the course tutor.