

COURSE DETAIL

DATA ENGINEERING

Country

Singapore

Host Institution

National University of Singapore

Program(s)

National University of Singapore

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Computer Science

UCEAP Course Number

113

UCEAP Course Suffix**UCEAP Official Title**

DATA ENGINEERING

UCEAP Transcript Title

DATA ENGINEERING

UCEAP Quarter Units

6.00

UCEAP Semester Units

4.00

Course Description

This course covers the main concepts of data engineering, including data pipeline, data organization, efficient analysis of large data volumes, distributed data storage (depending on the system architecture, e.g., multi-core systems, multiprocessor systems, clusters), distributed and parallel data analysis, and map/reduce techniques and their generalization to distributed query processing. The course requires students to take prerequisites.

Language(s) of Instruction

English

Host Institution Course Number

IS3107

Host Institution Course Title

DATA ENGINEERING

Host Institution Course Details

<https://nusmods.com/courses/IS3107/data-engineering>

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department

Information Systems and Analytics

Course Last Reviewed

2024-2025

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