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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