

## 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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