

COURSE DETAIL

INDUSTRIAL DATA MANAGEMENT

Country

Korea, South

Host Institution

Yonsei University

Program(s)

Yonsei University

UCEAP Course Level

Lower Division

UCEAP Subject Area(s)

Engineering Computer Science

UCEAP Course Number

82

UCEAP Course Suffix**UCEAP Official Title**

INDUSTRIAL DATA MANAGEMENT

UCEAP Transcript Title

INDUSTRIAL DATA MGT

UCEAP Quarter Units

4.50

UCEAP Semester Units

3.00

Course Description

This course covers the fundamental concepts of databases—an essential component in implementing e-business information systems—including the entity-relationship model, relational databases, and the use of structured query language (SQL). Through individual projects, students also explore how to integrate databases with business information systems. Topics include Introduction to Database Industrial Information Management, Introduction to Structured Query Language (SQL), Relational model and normalization, Database design using normalization, Data modelling with the entity-relationship model, Transforming data models into a database design, SQL for database construction and application processing, Database redesign, Managing multi-user databases, Web Server Environment, and Data warehouses, business intelligent systems, and big data.

Language(s) of Instruction

English

Host Institution Course Number

IIE2102

Host Institution Course Title

INDUSTRIAL DATA MANAGEMENT

Host Institution Course Details

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department

Course Last Reviewed

2025-2026

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