

COURSE DETAIL

INTRODUCTION TO DATA MINING

Country

Korea, South

Host Institution

Seoul National University

Program(s)

Seoul National University

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Computer Science

UCEAP Course Number

155

UCEAP Course Suffix**UCEAP Official Title**

INTRODUCTION TO DATA MINING

UCEAP Transcript Title

INTRO DATA MINING

UCEAP Quarter Units

4.50

UCEAP Semester Units

3.00

Course Description

This course covers important algorithms and theories for data mining. Data mining refers to theories and techniques for finding useful patterns from massive amounts of data. Data mining has been used in high impact applications including web analysis, recommendation system, fraud detection, cyber security, etc.

Main topics include finding similar items, mining frequent patterns, link analysis, link prediction, recommendation system, data stream mining, clustering, graph mining, time series prediction, and outlier detection.

Prerequisite: Students should have an undergraduate-level knowledge on the following topics: Algorithms, Basic probability, Programming, Linear Algebra

The course will provide some background but will be fast paced.

Language(s) of Instruction

English

Host Institution Course Number

M1522.001400

Host Institution Course Title

INTRODUCTION TO DATA MINING

Host Institution Course Details

<https://datalab.snu.ac.kr>

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department

Course Last Reviewed

2025-2026

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