

COURSE DETAIL

DATA STRUCTURES

Country

Korea, South

Host Institution

Yonsei University

Program(s)

Yonsei University

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Computer Science

UCEAP Course Number

113

UCEAP Course Suffix**UCEAP Official Title**

DATA STRUCTURES

UCEAP Transcript Title

DATA STRUCTURES

UCEAP Quarter Units

4.50

UCEAP Semester Units

3.00

Course Description

This course introduces the fundamental concept of data structures and the importance of data structures in developing and implementing efficient algorithms. The topics include various data structures such as arrays, linked lists, stacks, queues, strings, graphs, trees, and hash tables. Relevant algorithms will be analyzed to assess the strengths and weaknesses of data structures. The lectures and assignments will primarily be done in Python.

Prerequisite: CSI2102 or an equivalent level of fluency in an objected-oriented programming language.

Language(s) of Instruction

English

Host Institution Course Number

CCO2103

Host Institution Course Title

DATA STRUCTURES

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department

Computer Science

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