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,CAS2103

Host Institution Course Title
DATA STRUCTURES

Host Institution Course Details

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department
Computer Science

Course Last Reviewed
2023-2024

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