

COURSE DETAIL

DATA STRUCTURE AND ALGORITHMS

Country

Korea, South

Host Institution

Yonsei University

Program(s)

Yonsei University

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Electrical Engineering

UCEAP Course Number

104

UCEAP Course Suffix**UCEAP Official Title**

DATA STRUCTURE AND ALGORITHMS

UCEAP Transcript Title

DATA ALGORITHMS

UCEAP Quarter Units

4.50

UCEAP Semester Units

3.00

Course Description

This course covers the basic concepts and usages of data structures and algorithms used in electrical and/or computer engineering. The objectives are learning data structure types and usages - arrays, lists, queues, trees, graphs, etc.; learning algorithms - sorting, hashing, searching, etc.; improving C++ programming and debugging skills; and learn data structures and algorithms in C++. Students may choose any working environments, but class materials assume Linux by default. No prior experiences in Linux are necessary to enroll.

Language(s) of Instruction

English

Host Institution Course Number

EEE2020

Host Institution Course Title

DATA STRUCTURE AND ALGORITHMS

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department

Electrical and Electronics Engineering

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