

COURSE DETAIL

DATA STRUCTURES AND ALGORITHMS	
Country	Singapore
Host Institution	National University of Singapore
Program(s)	National University of Singapore
UCEAP Course Level	Upper Division
UCEAP Subject Area(s)	Computer Science
UCEAP Course Number	123
UCEAP Course Suffix	
UCEAP Official Title	DATA STRUCTURES AND ALGORITHMS
UCEAP Transcript Title	DATA STRUCTURES
UCEAP Quarter Units	6.00
UCEAP Semester Units	4.00

Course Description

This course introduces the design and implementation of fundamental data structures and algorithms. Topics include basic data structures (linked lists, stacks, queues, hash tables, binary heaps, trees, and graphs), searching and sorting algorithms, basic analysis of algorithms, and basic object-oriented programming concepts. The course requires students to take prerequisites.

Language(s) of Instruction

English

Host Institution Course Number

CS2040C

Host Institution Course Title

DATA STRUCTURES AND ALGORITHMS

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department

Computer Science

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