

COURSE DETAIL

PROGRAMMING METHODOLOGY

Country

Singapore

Host Institution

National University of Singapore

Program(s)

National University of Singapore

UCEAP Course Level

Lower Division

UCEAP Subject Area(s)

Computer Science

UCEAP Course Number

19

UCEAP Course Suffix

B

UCEAP Official Title

PROGRAMMING METHODOLOGY

UCEAP Transcript Title

PROGRAMMING METHOD

UCEAP Quarter Units

6.00

UCEAP Semester Units

4.00

Course Description

This course introduces the fundamental concepts of problem-solving by computing and programming using Java. Topics covered include computational thinking and computational problem solving, designing and specifying an algorithm, basic problem formulation and problem solving approaches, program development, coding, testing and debugging, fundamental programming constructs (variables, types, expressions, assignments, functions, control structures, etc.), fundamental data structures (arrays, strings, composite data types), basic sorting, and recursion. The software tool used in this course is DrJava.

Language(s) of Instruction

English

Host Institution Course Number

CS1010J

Host Institution Course Title

PROGRAMMING METHODOLOGY

Host Institution Course Details

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department

Computer Science

Course Last Reviewed

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