

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

A

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 programming using an imperative programming language, and is the first and foremost introductory course to computing. It is the first of a two part series on introductory programming, which also includes CS1102C. Topics covered include: overview of programming languages and compilation process, algorithmic problem solving and design process, program development, coding and debugging, fundamental programming constructs (variables, types, expressions, assignments, functions, etc.), fundamental data structures: arrays, strings and structures, simple file processing, and introduction to dynamic structures using linked lists. Course activities include lectures, tutorials and laboratory exercises.

Language(s) of Instruction

English

Host Institution Course Number

CS1010E

Host Institution Course Title

PROGRAMMING METHODOLOGY

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department

Computer Science

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