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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