COURSE DETAIL

FUNDAMENTAL COMPUTING WITH C++

Country
Hong Kong

Host Institution
Chinese University of Hong Kong

Program(s)
Chinese University of Hong Kong

UCEAP Course Level
Lower Division

UCEAP Subject Area(s)
Computer Science

UCEAP Course Number
40

UCEAP Course Suffix

UCEAP Official Title
FUNDAMENTAL COMPUTING WITH C++

UCEAP Transcript Title
COMPUTING WITH C++

UCEAP Quarter Units
4.50

UCEAP Semester Units
3.00

Course Description

This course introduces fundamental computing principles, problem-solving methods and algorithm development, simple data structures, illustrative applications using the C++ programming language. Course topics include: introduction to computing; C++ Basics; selection and repetitive control structures; fundamental data types; functions and parameters; scope and namespace; arrays; pointers; OOP – classes and objects; string manipulation using string objects; C++ stream I/O and file processing; recursion; dynamic memory management.

Language(s) of Instruction
English

Host Institution Course Number
CSCI1540

Host Institution Course Title
FUNDAMENTAL COMPUTING WITH C++

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department
Computer Science

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