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 Course Details

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department
Computer Science

Course Last Reviewed

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