

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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