COURSE DETAIL

COMPUTER PRINCIPLES AND PYTHON PROGRAMMING
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 51
UCEAP Course Suffix
UCEAP Official Title COMPUTER PRINCIPLES AND PYTHON PROGRAMMING
UCEAP Transcript Title COMP PRINC & PYTHON
UCEAP Quarter Units 4.50
UCEAP Semester Units 3.00

Course Description

This course introduces computer programming in Python. Students learn modern programming concepts, problem solving and creation of computer applications using the Python programming language. Topics include basic Python language syntax, control flow, functions, lambda expressions, Python's common data structures, list comprehensions, file I/O and operating system interface, object-oriented programming, functional programming, and basic usage of common data science packages such as NumPy and Pandas.

Language(s) of Instruction
English

Host Institution Course Number
CSCI1550

Host Institution Course Title
COMPUTER PRINCIPLES AND PYTHON PROGRAMMING

Host Institution Course Details
https://rgsntl.rgs.cuhk.edu.hk/aqs_prd_applx/Public/tt_dsp_crse_catalog.aspx

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department
Computer Science

Course Last Reviewed
2025-2026

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