

COURSE DETAIL

FOUNDATION OF PROGRAMMING

Country

Japan

Host Institution

International Christian University

Program(s)

International Christian University

UCEAP Course Level

Lower Division

UCEAP Subject Area(s)

Computer Science

UCEAP Course Number

30

UCEAP Course Suffix**UCEAP Official Title**

FOUNDATION OF PROGRAMMING

UCEAP Transcript Title

FOUNDATN PROGRAMING

UCEAP Quarter Units

4.00

UCEAP Semester Units

2.70

Course Description

This course introduces the basic concepts of computer programming and problem-solving using Python, analyzing and developing algorithms as well as developing programs, debugging, and testing of various problems.

The course covers the principles and main topics of Python including variables, conditional branches, loops, functions, lists, dictionaries, recursion, file input/output, and the introduction of object-oriented programming. The course also provides opportunities to solve problems such as numerical simulations, combinatorial problems, and image processing.

Language(s) of Instruction

English

Host Institution Course Number

ISC104E

Host Institution Course Title

FOUNDATION OF PROGRAMMING

Host Institution Campus

International Christian University

Host Institution Faculty

Host Institution Degree

Host Institution Department

Information Science

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