# COURSE DETAIL

| FOUNDATION OF PROGRAMMING |
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| **Country**<br>Japan |
| **Host Institution**<br>International Christian University |
| **Program(s)**<br>International Christian University |
| **UCEAP Course Level**<br>Lower Division |
| **UCEAP Subject Area(s)**<br>Computer Science |
| **UCEAP Course Number**<br>30 |
| **UCEAP Course Suffix** |
| **UCEAP Official Title**<br>FOUNDATION OF PROGRAMMING |
| **UCEAP Transcript Title**<br>FOUNDATN PROGRAMING |
| **UCEAP Quarter Units**<br>4.00 |
| **UCEAP Semester Units**<br>2.70 |

**Course Description**

This course introduces the basic concepts of computer programming and problem-solving using Python, analyzing and devloping 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 Course Details**
https://campus.icu.ac.jp/public/ehandbook/PreviewSyllabus.aspx?regno=21226&year...

**Host Institution Campus**
International Christian University

**Host Institution Faculty**

**Host Institution Degree**

**Host Institution Department**
Information Science

**Course Last Reviewed**

2024-2025

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