

## COURSE DETAIL

### COMPUTER PROGRAMMING IN PYTHON

**Country**

Taiwan

**Host Institution**

National Taiwan University

**Program(s)**

National Taiwan University

**UCEAP Course Level**

Upper Division

**UCEAP Subject Area(s)**

Computer Science

**UCEAP Course Number**

107

**UCEAP Course Suffix****UCEAP Official Title**

COMPUTER PROGRAMMING IN PYTHON

**UCEAP Transcript Title**

PYTHON PROGRAM

**UCEAP Quarter Units**

4.50

**UCEAP Semester Units**

3.00

## Course Description

The course begins by writing a Python environment build while teaching the structure and use of various syntaxes. The course introduces various basic knowledge in Python one by one, arranging exercises in various situations at the same time so that students can accumulate the syntax and skills of writing Python programs while solving imaginary problems. The course content is introduced in the following order: 1. Python and authoring tools/platforms; 2. Python basic variable types, grammatical structure and package usage, and 3. Some of the most popular packages in Python. At the end of the course, students will choose a topic for a final project report (individual or group); students will be expected to introduce the problems they encountered and want to solve; how to solve these problems through Python, and present the results in visual ways.

### Language(s) of Instruction

Chinese

### Host Institution Course Number

Data5006

### Host Institution Course Title

COMPUTER PROGRAMMING IN PYTHON

### Host Institution Campus

### Host Institution Faculty

### Host Institution Degree

### Host Institution Department

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