

COURSE DETAIL

PYTHON COMPUTER PROGRAMMING

Country

Taiwan

Host Institution

National Taiwan University

Program(s)

National Taiwan University

UCEAP Course Level

Lower Division

UCEAP Subject Area(s)

Computer Science

UCEAP Course Number

15

UCEAP Course Suffix**UCEAP Official Title**

PYTHON COMPUTER PROGRAMMING

UCEAP Transcript Title

PYTHON COMP PROGRAM

UCEAP Quarter Units

4.50

UCEAP Semester Units

3.00

Course Description

This course provides a comprehensive introduction to Python programming, focusing on fundamental concepts and techniques. It is designed for beginners and covers key topics such as data types, variables, control structures, functions, and file handling. The course exposes students to libraries like NumPy for numerical computations and Matplotlib for data visualization. Through hands-on exercises and projects, students will develop problem-solving skills; explore foundational elements of object-oriented programming, and learn to create reusable, efficient Python code. By the end of the course, students will have the skills to write clear, efficient, and reusable Python code as well as a strong foundation for further study in programming.

Language(s) of Instruction

English

Host Institution Course Number

GUPS1001

Host Institution Course Title

COMPUTER PROGRAMMING IN PYTHON

Host Institution Course Details

https://nol.ntu.edu.tw/nol/coursesearch/print_table.php?course_id=H06%2010010&c...

Host Institution Campus

Host Institution Faculty

Common General Education Center

Host Institution Degree

Global Undergraduate Program in Semiconductors

Host Institution Department

Course Last Reviewed

2024-2025

[Print](#)