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

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