

COURSE DETAIL

INTRODUCTION TO PYTHON 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

2

UCEAP Course Suffix**UCEAP Official Title**

INTRODUCTION TO PYTHON PROGRAMMING

UCEAP Transcript Title

INTRO PYTHON PROGRM

UCEAP Quarter Units

4.50

UCEAP Semester Units

3.00

Course Description

This course teaches how to understand Python programming; how to solve problems with Python, and how to analyze data and predict results with Python. The course covers how to install Anaconda, a local platform to write Python programs, and use Colab by Google, a cloud Python platform; basic commands and rules in Python, and Python-related packages and libraries, such as NumPy, Matplotlib, Pandas, and Scikit-Learn. The course also instructs on how to clean data, analyze data, and predict data with Python and its related libraries. Students will have the opportunity to practice and write their code with Python to check their learning.

Language(s) of Instruction

Host Institution Course Number

IM1011

Host Institution Course Title

INTRODUCTION TO PYTHON PROGRAMMING

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department

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