COURSE DETAIL

PROGRAMMING IN PYTHON

Country
China

Host Institution
Fudan University

Program(s)
Fudan University

UCEAP Course Level
Upper Division

UCEAP Subject Area(s)
Computer Science

UCEAP Course Number
102

UCEAP Course Suffix

UCEAP Official Title
PROGRAMMING IN PYTHON

UCEAP Transcript Title
PROGRAM IN PYTHON

UCEAP Quarter Units
3.00

UCEAP Semester Units
2.00

Course Description

This course uses Python as the medium to enable students to master the general ideas and methods of solving problems with computers. Students can master IPO (Input-Processing-Output) program structure, master basic control flow syntax, and be able to select data structures and related, apply algorithms to complete simple computing tasks and have a solid programming foundation. For complex computational tasks, students can use a top-down modular decomposition approach to transform them into simple problem calculations. Students can use Python third-party libraries for data analysis and processing and AI applications (machine learning, natural language processing, etc.) solution, computer vision, etc.), and can be connected with more advanced artificial intelligence courses.

Language(s) of Instruction
Chinese

Host Institution Course Number
AIB110002

Host Institution Course Title
PROGRAMMING IN PYTHON

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department

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