

COURSE DETAIL

INTRODUCTION TO COMPUTING

Country

China

Host Institution

Peking University, Beijing

Program(s)

Peking University

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Computer Science

UCEAP Course Number

170

UCEAP Course Suffix

C

UCEAP Official Title

INTRODUCTION TO COMPUTING

UCEAP Transcript Title

INTRO TO COMPUTING

UCEAP Quarter Units

7.50

UCEAP Semester Units

Course Description

This course emphasizes the integration of theory and practice, guiding students to learn and apply programming methods to solve common application problems with the assistance of artificial intelligence tools. Starting from the basic principles of computers and artificial intelligence, the course covers the basic syntax of the Python language and preliminary programming methods. It introduces the basic operation methods of large-scale language models in artificial intelligence through several applications such as text processing, data visualization, and internet data acquisition. This allows students to initially grasp the method of problem-solving through programming design, encourages them to consciously use large-scale language models in artificial intelligence to improve learning efficiency and programming skills, and enables them to solve more complex common application problems. The content of the course includes the principles of computers, basic concepts and technical principles of artificial intelligence, generative artificial intelligence and large language models, data types in the Python language, control structures, functions and modules, text processing and numerical computation, data processing and chart analysis, internet technology, and common algorithms.

Language(s) of Instruction

Chinese

Host Institution Course Number

04834470

Host Institution Course Title

INTRODUCTION TO COMPUTING (C)

Host Institution Course Details<https://dean.pku.edu.cn/service/web/courseSearchEn.php>**Host Institution Campus****Host Institution Faculty**

Host Institution Degree
Host Institution Department
Course Last Reviewed 2025-2026

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