COURSE DETAIL

COMPUTING IN CONTEXT: COMPUTING AND THE ARTS

Country
Korea, South

Host Institution
Yonsei University

Program(s)
Yonsei University Summer

UCEAP Course Level
Lower Division

UCEAP Subject Area(s)
Computer Science

UCEAP Course Number
65

UCEAP Course Suffix
S

UCEAP Official Title
COMPUTING IN CONTEXT: COMPUTING AND THE ARTS

UCEAP Transcript Title
COMPUTING &THE ARTS

UCEAP Quarter Units
4.50

UCEAP Semester Units

3.00

Course Description

This course covers the basic skills needed to create, examine, appreciate, and understand computational art. It covers basic programming skills in Python, experience using tools for live coding music, creating animations, and hands-on experience using generative AI technologies. Topics include strings, programs as files, semantics, functions; conditionals, Iteration, functions vs methods; lists, dictionaries, sets, reading and writing to files; audio programming, sequencing events in time, randomness, signal processing; animations, graphics, user interaction, performance considerations; and introduction to generative AI, stable Diffusion, and text processing.

Language(s) of Instruction
English

Host Institution Course Number
IEE1164

Host Institution Course Title
COMPUTING IN CONTEXT: COMPUTING AND THE ARTS

Host Institution Course Details

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department

Course Last Reviewed
2023-2024

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