COURSE DETAIL

COMPUTER VISION

Country
Korea, South

Host Institution
Yonsei University

Program(s)
Yonsei University

UCEAP Course Level
Upper Division

UCEAP Subject Area(s)
Computer Science

UCEAP Course Number
117

UCEAP Course Suffix

UCEAP Official Title
COMPUTER VISION

UCEAP Transcript Title
COMPUTER VISION

UCEAP Quarter Units
4.50

UCEAP Semester Units
3.00

Course Description

This course provides a general introduction to computer vision. Major topics include image processing, detection and recognition, geometry, video analysis, and deep learning. Students learn basic concepts of computer vision as well as hands on experience to solve real-life vision problems. Students learn basic algorithms of computer vision, learn deep learning based computer vision algorithms, and apply learned methods for practical applications.

Prerequisites: Calculus, Linear algebra, Probability

Language(s) of Instruction
English

Host Institution Course Number
CSI4116

Host Institution Course Title
COMPUTER VISION

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department
Computer Science

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