

COURSE DETAIL

COMPUTER CONVERGENCE APPLICATION

Country

Korea, South

Host Institution

Seoul National University

Program(s)

Seoul National University

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Computer Science

UCEAP Course Number

114

UCEAP Course Suffix**UCEAP Official Title**

COMPUTER CONVERGENCE APPLICATION

UCEAP Transcript Title

COMP CONVRGNCE APPL

UCEAP Quarter Units

4.50

UCEAP Semester Units

3.00

Course Description

This course reviews algorithms and machine learning techniques such string pattern matching algorithms, PCA, decision tree, artificial neural networks, support vector machines, and frequent pattern mining techniques. It also reviews computational tools for algorithms and machine learning (mostly with Tensorflow, PyTorch), and surveys how these techniques are used for practical applications.

Language(s) of Instruction

English

Host Institution Course Number

4190.423

Host Institution Course Title

COMPUTER CONVERGENCE APPLICATION

Host Institution Course Details

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department

Computer Science and Engineering

Course Last Reviewed

2023-2024

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