

COURSE DETAIL

PRACTICAL MACHINE LEARNING

Country

Japan

Host Institution

Tohoku University

Program(s)

Engineering and Science

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Mechanical Engineering

UCEAP Course Number

110

UCEAP Course Suffix**UCEAP Official Title**

PRACTICAL MACHINE LEARNING

UCEAP Transcript Title

MACHINE LEARNING

UCEAP Quarter Units

3.00

UCEAP Semester Units

2.00

Course Description

This course studies Machine Learning, an important sub-area of Artificial Intelligence. It is designed to help students understand some key technologies such as linear classifiers, support vector machines, decision trees and neural networks, through the process of applying them to actual data and developing Python programs.

This course aims to instruct students on machine learning and basic skills on data processing. Students will be expected to read and write Python programs and modules by the end of the course.

Language(s) of Instruction

Japanese

Host Institution Course Number

N/A

Host Institution Course Title

HANDS-ON MACHINE LEARNING I

Host Institution Course Details

[https://gkms3.bureau.tohoku.ac.jp/sa_gj/slbssbdr.do?value\(riyunen\)=2023&value\(...](https://gkms3.bureau.tohoku.ac.jp/sa_gj/slbssbdr.do?value(riyunen)=2023&value(...)

Host Institution Campus

Tohoku University

Host Institution Faculty

Host Institution Degree

Host Institution Department

College-wide

Course Last Reviewed

2022-2023

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