COURSE DETAIL

MATHEMATICAL ANALYSIS I

Country
Japan

Host Institution
Hitotsubashi University

Program(s)
Hitotsubashi University

UCEAP Course Level
Upper Division

UCEAP Subject Area(s)
Mathematics

UCEAP Course Number
110

UCEAP Course Suffix

UCEAP Official Title
MATHEMATICAL ANALYSIS I

UCEAP Transcript Title
MATH ANALYSIS

UCEAP Quarter Units
3.00

UCEAP Semester Units
2.00

Course Description

Recently, deep leaning has been the successful tool for various tasks of data analysis. Also, the theoretical structure of deep neural network (DNN) has been clarified gradually. On the other hand, such theoretical structure is crucially based on elementary linear algebra. Thus it is worth studying machine learning from scratch, that is, elementary linear algebra. Upon completion of the course, students will be able to understand topics on machine learning including elementary deep neural network and reservoir computing.

Language(s) of Instruction
Japanese

Host Institution Course Number
EU-E-402-00

Host Institution Course Title
MATHEMATICAL ANALYSIS I

Host Institution Course Details
https://syllabus.cels.hit-u.ac.jp/hit_syllabus/2023/03/03_1EE40201_en_US.html

Host Institution Campus
Hitotsubashi University

Host Institution Faculty

Host Institution Degree

Host Institution Department
Economics

Course Last Reviewed
2022-2023

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