

COURSE DETAIL

MATHEMATICS FOR MACHINE LEARNING

Country

United Kingdom - England

Host Institution

University College London

Program(s)

Summer at University College London

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Mathematics Computer Science

UCEAP Course Number

112

UCEAP Course Suffix

S

UCEAP Official Title

MATHEMATICS FOR MACHINE LEARNING

UCEAP Transcript Title

MATH/MACHINE LEARN

UCEAP Quarter Units

6.00

UCEAP Semester Units

4.00

Course Description

This course offers students a grounding in the language of modern machine learning, with a focus on particular topics in linear algebra, differential calculus, probability, and statistics. Rather than focusing on theorems and their proofs, the course covers the key tools (and theorems) within the topic areas, and to illustrate these with exemplars drawn from machine learning. The course is delivered through a mixture of lectures and classes, and involves a mix of traditional lecture delivery, interactive notebooks, and problem sets.

Language(s) of Instruction

English

Host Institution Course Number

ISSU0129

Host Institution Course Title

MATHEMATICS FOR MACHINE LEARNING

Host Institution Course Details

<https://www.ucl.ac.uk/prospective-students/summer-school/modules/mathematics-fo...>

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department

Computer Science

Course Last Reviewed

2024-2025

[Print](#)