

COURSE DETAIL

ARTIFICIAL INTELLIGENCE AND DEEP LEARNING

Country

United Kingdom - England

Host Institution

London School of Economics

Program(s)

Summer at London School of Economics

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Computer Science

UCEAP Course Number

101

UCEAP Course Suffix

S

UCEAP Official Title

ARTIFICIAL INTELLIGENCE AND DEEP LEARNING

UCEAP Transcript Title

AI/DEEP LEARNING

UCEAP Quarter Units

5.41

UCEAP Semester Units

3.60

Course Description

This course teaches the foundational knowledge necessary to understand how modern AI systems work, with a particular focus on deep neural networks. It moves from first principles through to exploring core training algorithms that power today's models.

Students will construct deep networks, image classification models, and generative models such as autoencoders as well as consider how transformer architectures enable large language models such as ChatGPT.

Language(s) of Instruction

English

Host Institution Course Number

ME324

Host Institution Course Title

ARTIFICIAL INTELLIGENCE AND DEEP LEARNING

Host Institution Course Details

<https://www.lse.ac.uk/study-at-lse/summer-schools/summer-school/courses/research...>

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department

Department of Methodology

Course Last Reviewed

2026-2027

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