

COURSE DETAIL

DEEP LEARNING

Country

United Kingdom - England

Host Institution

Imperial College London

Program(s)

Imperial College London

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Electrical Engineering

UCEAP Course Number

137

UCEAP Course Suffix**UCEAP Official Title**

DEEP LEARNING

UCEAP Transcript Title

DEEP LEARNING

UCEAP Quarter Units

5.00

UCEAP Semester Units

3.30

Course Description

This course introduces students to the fundamentals of deep learning and illustrates how it is contributing to the practical design of intelligent machines. Deep learning is currently the most active area of research and development and in high demand for experts by hi-tech start-ups, large companies as well as academia. It is the preferred approach for modern AI and machine learning in any domain. This course demonstrates how deep learning techniques enable us to automatically extract features from data so as to solve predictive tasks, such as speech recognition, object recognition, machine translation, question-answering, anomaly detection, medical diagnosis and prognosis, automatic algorithm configuration, personalization, robot control, time series forecasting, and much more.

Language(s) of Instruction

English

Host Institution Course Number

ELEC60009

Host Institution Course Title

DEEP LEARNING

Host Institution Campus

Kensington

Host Institution Faculty

Host Institution Degree

Host Institution Department

Department of Electrical Engineering

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