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 Course Details
https://intranet.ee.ic.ac.uk/electricalengineering/eecourses_t4/course_content...

Host Institution Campus
Kensington

Host Institution Faculty

Host Institution Degree

Host Institution Department
Department of Electrical Engineering

Course Last Reviewed

2022-2023

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