

COURSE DETAIL

MACHINE LEARNING FOR IMAGING

Country

United Kingdom - England

Host Institution

Imperial College London

Program(s)

Imperial College London

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Computer Science

UCEAP Course Number

100

UCEAP Course Suffix**UCEAP Official Title**

MACHINE LEARNING FOR IMAGING

UCEAP Transcript Title

MACH LEARN IMAGING

UCEAP Quarter Units

5.00

UCEAP Semester Units

3.30

Course Description

This class covers the fundamental concepts and advanced methodologies of machine learning for imaging and relates those to real-world problems in computer vision and medical image analysis. You will experience different approaches to machine learning including supervised and unsupervised techniques with an emphasis on deep learning methods. Applications include image classification, semantic segmentation, object detection and localisation, and registration. A key objective is to equip you with the skills needed to work in, and conduct research into, image computing and applied machine learning.

Language(s) of Instruction

English

Host Institution Course Number

CO416

Host Institution Course Title

MACHINE LEARNING FOR IMAGING

Host Institution Course Details

Host Institution Campus

Imperial College

Host Institution Faculty

Host Institution Degree

Host Institution Department

Computing

Course Last Reviewed

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