

COURSE DETAIL

APPLIED DEEP LEARNING

Country

Hong Kong

Host Institution

University of Hong Kong

Program(s)

University of Hong Kong

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Computer Science

UCEAP Course Number

140

UCEAP Course Suffix**UCEAP Official Title**

APPLIED DEEP LEARNING

UCEAP Transcript Title

APPL DEEP LEARNING

UCEAP Quarter Units

5.00

UCEAP Semester Units

3.30

Course Description

This course examines deep learning. It covers the motivations and principles for building deep learning systems; how deep learning relates to the broader field of artificial intelligence; problems associated with domain specific data; recognition; image generation; reinforcement learning; language translation; computer vision; natural language processing; PyTorch; Tensorflow; and numerical optimization algorithms.

Language(s) of Instruction

English

Host Institution Course Number

COMP3340

Host Institution Course Title

APPLIED DEEP LEARNING

Host Institution Course Details

<https://www.cs.hku.hk/programmes/beng-compsec/course-descriptions>

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department

Computer Science

Course Last Reviewed

2022-2023

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