

COURSE DETAIL

INTRODUCTION TO DEEP LEARNING AND APPLICATION

Country

Korea, South

Host Institution

Yonsei University

Program(s)

Yonsei University

UCEAP Course Level

Lower Division

UCEAP Subject Area(s)

Computer Science

UCEAP Course Number

78

UCEAP Course Suffix**UCEAP Official Title**

INTRODUCTION TO DEEP LEARNING AND APPLICATION

UCEAP Transcript Title

INTRO DEEP LEARNING

UCEAP Quarter Units

4.50

UCEAP Semester Units

3.00

Course Description

This course introduces machine learning and deep learning, which are the most widely used methods for implementing artificial intelligence systems. It also covers a broad range of foundational topics to help students understand machine learning and deep learning systems, making the course accessible to students of all majors.

This course is intended for students with no background in AI or deep learning. Thus, the topics are broad and on an introductory level. Topics include Deep Learning, Linear Algebra Fundamentals, Artificial Intelligence Basics, Machine Learning Fundamentals, Neural Network Basics, Deep Learning Fundamentals, Optimization, Convolutional neural networks, Recurrent Neural Networks, Latest Deep Learning Topics as time allows.

Prerequisite: Linear Algebra

Language(s) of Instruction

English

Host Institution Course Number

AIC3100

Host Institution Course Title

INTRODUCTION TO DEEP LEARNING AND APPLICATION

Host Institution Course Details

<https://underwood1.yonsei.ac.kr/>

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department

Course Last Reviewed

2025-2026

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