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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