

COURSE DETAIL

INTRODUCTION TO ARTIFICIAL INTELLIGENCE

Country

Korea, South

Host Institution

Korea Advanced Institute of Science and Technology (KAIST)

Program(s)

Korea Advanced Institute of Science and Technology, KAIST

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Computer Science

UCEAP Course Number

131

UCEAP Course Suffix**UCEAP Official Title**

INTRODUCTION TO ARTIFICIAL INTELLIGENCE

UCEAP Transcript Title

INTRODUCTION TO AI

UCEAP Quarter Units

4.50

UCEAP Semester Units

3.00

Course Description

This advanced course introduces the basics of artificial intelligence, which include learning, searching, knowledge management, inference, and their applications. Transformer and Large Language Model are mainly discussed in addition to other types of deep neural networks. Classical artificial intelligence topics (before the deep learning era) is also overviewed. Applications to solve web, industrial, and scientific problems with artificial intelligence will also be introduced.

Prerequisite: It is strongly recommended that students complete other basic machine learning and deep learning courses before enrolling in this course. The instructor reviews the basics of machine learning and deep learning, but it is not a guarantee that the review will be enough for students who did not previously take any related courses.

Language(s) of Instruction

English

Host Institution Course Number

CS.40700

Host Institution Course Title

INTRODUCTION TO ARTIFICIAL INTELLIGENCE

Host Institution Course Details

<https://erp.kaist.ac.kr/com/lgin/SsoCtr/initExtPageWork.do?link=estblSubjt>

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department

Course Last Reviewed

2025-2026

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