

## COURSE DETAIL

### AI FOR FINANCE

**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)**

Business Administration

**UCEAP Course Number**

118

**UCEAP Course Suffix****UCEAP Official Title**

AI FOR FINANCE

**UCEAP Transcript Title**

AI FOR FINANCE

**UCEAP Quarter Units**

4.50

**UCEAP Semester Units**

3.00

## Course Description

This course covers financial engineering theories including fixed-income securities, interest rate risks, modern portfolio theory, capital asset pricing model, and derivatives. Students explore and build hands-on experience for application of AI techniques such as dimension reduction, supervised/unsupervised learning, natural language processing, and deep reinforcement learning.

## Language(s) of Instruction

English

## Host Institution Course Number

IE 40071

## Host Institution Course Title

AI FOR FINANCE

## Host Institution Course Details

## Host Institution Campus

## Host Institution Faculty

## Host Institution Degree

## Host Institution Department

## Course Last Reviewed

2024-2025

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