

COURSE DETAIL

INTRODUCTION TO INTELLIGENT SYSTEMS

Country

Korea, South

Host Institution

Seoul National University

Program(s)

Seoul National University

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Computer Science

UCEAP Course Number

146

UCEAP Course Suffix**UCEAP Official Title**

INTRODUCTION TO INTELLIGENT SYSTEMS

UCEAP Transcript Title

INTR INTELLIGNT SYS

UCEAP Quarter Units

4.50

UCEAP Semester Units

3.00

Course Description

This course introduces the foundations of intelligent systems, such as probabilistic modeling and inference, statistical machine learning, computer vision, and robotics, to undergraduate students. Topics include Bayesian networks, hidden Markov models, Kalman filters, Markov decision processes, linear regression, linear classification, and nonparametric models. Students will also learn about how these methods are applied to practical applications such as computer vision and robotics.

Language(s) of Instruction

English

Host Institution Course Number

430.457 001

Host Institution Course Title

INTRODUCTION TO INTELLIGENT SYSTEMS

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department

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