COURSE DETAIL

ARTIFICIAL INTELLIGENCE
Country Taiwan
Host Institution National Taiwan University
Program(s) National Taiwan University
UCEAP Course Level Upper Division
UCEAP Subject Area(s) Computer Science
UCEAP Course Number 114
UCEAP Course Suffix
UCEAP Official Title ARTIFICIAL INTELLIGENCE
UCEAP Transcript Title ARTIFICIAL INTEL
UCEAP Quarter Units 4.50
UCEAP Semester Units 3.00

Course Description

This course provides a study of the basic techniques for building intelligent computer systems and how Artificial Intelligence is applied to problems. It covers theory, algorithms, and their applications. The course is divided into four parts. The first part of the course includes an introduction to AI, history of AI, problem solving and search. The second part covers machine learning, linear models, decision trees, and neural networks. The third part studies decision marking and includes topics such as, logical agents, quantifying uncertainty, Bayesian networks, Markov decision process, and reinforcement learning. The final part of the course examines natural language processing, computer vision, and robotics.

Language(s) of Instruction
English

Host Institution Course Number
CSIE5400

Host Institution Course Title
ARTIFICIAL INTELLIGENCE

Host Institution Course Details
https://nol2.aca.ntu.edu.tw/nol/coursesearch/print_table.php?course_id=922%20U3...

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department
Graduate Institute of Computer Science and Information Engineering

Course Last Reviewed
2022-2023

Print