COURSE DETAIL

INTRODUCTION TO ARTIFICIAL INTELLIGENCE
Country Singapore
Host Institution National University of Singapore
Program(s) National University of Singapore
UCEAP Course Level Upper Division
UCEAP Subject Area(s) Computer Science
UCEAP Course Number 119
UCEAP Course Suffix
UCEAP Official Title INTRODUCTION TO ARTIFICIAL INTELLIGENCE
UCEAP Transcript Title INTRODUCTION TO AI
UCEAP Quarter Units 6.00
UCEAP Semester Units 4.00

Course Description

The course introduces the basic concepts in search and knowledge representation as well as several sub-areas of artificial intelligence. It focuses on covering the essential concepts in AI. The course covers Turing test, blind search, iterative deepening, production systems, heuristic search, A* algorithm, minimax and alpha-beta procedures, predicate and first-order logic, resolution refutation, non-monotonic reasoning, assumption-based truth maintenance systems, inheritance hierarchies, the frame problem, certainly factors, Bayes' rule, frames and semantic nets, planning, learning, natural language, vision, and expert systems and LISP.

Language(s) of Instruction
English

Host Institution Course Number
CS3243

Host Institution Course Title
INTRODUCTION TO ARTIFICIAL INTELLIGENCE

Host Institution Course Details
https://nusmods.com/courses/CS3243/introduction-to-artificial-intelligence

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department
Computer Science

Course Last Reviewed
2023-2024

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