COURSE DETAIL

ARTIFICIAL INTELLIGENCE
Country United Kingdom - England
Host Institution University of London, Royal Holloway
Program(s) University of London, Royal Holloway
UCEAP Course Level Upper Division
UCEAP Subject Area(s) Computer Science
UCEAP Course Number 140
UCEAP Course Suffix
UCEAP Official Title ARTIFICIAL INTELLIGENCE
UCEAP Transcript Title ARTIFICL INTELLGNCE
UCEAP Quarter Units 6.00
UCEAP Semester Units 4.00

Course Description
This course introduces students to the basic principles, methods, and techniques of AI to provide the foundations for more advanced courses in this area. It explores the approaches in the field by referring to the wider historical context in which the AI vision was set and will further motivate the content to be taught by presenting existing and potential applications. Topics include first principles, including the role of first-order logic for knowledge representation, computational reasoning and problem solving systems, the use of search as a capability for exploring alternative solutions, and how AI systems use knowledge to plan and learn from first principles. Students develop intelligent systems by assembling capabilities to concrete computational problems; understand the role of knowledge representation, problem solving, and learning in intelligent-system engineering; and appreciate the role of problem solving, in wide applications that require a basic understanding of human intelligence from a computational perspective.

Language(s) of Instruction
English

Host Institution Course Number
CS2910

Host Institution Course Title
ARTIFICIAL INTELLIGENCE

Host Institution Course Details
https://www.royalholloway.ac.uk/computerscience/informationforcurrentstudents/u…

Host Institution Campus
Royal Holloway, University of London

Host Institution Faculty

Host Institution Degree

Host Institution Department

Computer Science

Course Last Reviewed
2018-2019

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