COURSE DETAIL

INFORMATICS 2D: REASONING AND AGENTS
Country United Kingdom - Scotland
Host Institution University of Edinburgh
Program(s) University of Edinburgh
UCEAP Course Level Upper Division
UCEAP Subject Area(s) Computer Science
UCEAP Course Number 140
UCEAP Course Suffix
UCEAP Official Title INFORMATICS 2D: REASONING AND AGENTS
UCEAP Transcript Title INFORMATICS 2D
UCEAP Quarter Units 8.00
UCEAP Semester Units 5.30

Course Description

This course focuses on approaches relating to representation, reasoning, and planning for solving real world inference. The course illustrates the importance of using a smart representation of knowledge such that it is conducive to efficient reasoning, and the need for exploiting task constraints for intelligent search and planning. The notion of representing action, space, and time is formalized in the context of agents capable of sensing the environment and taking actions that affect the current state. There is also a strong emphasis on the ability to deal with uncertain data in real world scenarios, and the planning and reasoning methods needed for inference in probabilistic domains.

Language(s) of Instruction
English

Host Institution Course Number
INFR08010

Host Institution Course Title
INFORMATICS 2D - REASONING AND AGENTS

Host Institution Course Details
https://www.ed.ac.uk/global/study-abroad/course/index.php?submitted=yes&showadv...

Host Institution Campus
Edinburgh

Host Institution Faculty

Host Institution Degree

Host Institution Department
INFORMATICS

Course Last Reviewed
2021-2022

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