

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 Campus

Edinburgh

Host Institution Faculty

Host Institution Degree

Host Institution Department

INFORMATICS

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