

COURSE DETAIL

INTRODUCTION TO ARTIFICIAL INTELLIGENCE

Country

Australia

Host Institution

University of Sydney

Program(s)

University of Sydney

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Computer Science

UCEAP Course Number

109

UCEAP Course Suffix**UCEAP Official Title**

INTRODUCTION TO ARTIFICIAL INTELLIGENCE

UCEAP Transcript Title

ARTIFICIAL INTELLIG

UCEAP Quarter Units

6.00

UCEAP Semester Units

4.00

Course Description

Artificial Intelligence (AI) is all about programming computers to perform tasks normally associated with intelligent behaviour. Classical AI programs have played games, proved theorems, discovered patterns in data, planned complex assembly sequences and so on. This course introduces representations, techniques, and architectures used to build intelligent systems. Students explore selected topics such as heuristic search, game playing, machine learning, neural networks, and probabilistic reasoning. Students learn some of the fundamental methods and algorithms of AI, and an appreciation of how they can be applied to interesting problems. The course involves a practical component in which some simple problems are solved using AI techniques.

Language(s) of Instruction

English

Host Institution Course Number

COMP3308

Host Institution Course Title

INTRODUCTION TO ARTIFICIAL INTELLIGENCE

Host Institution Campus

sydney

Host Institution Faculty

Host Institution Degree

Host Institution Department

Computer Science

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