

# COURSE DETAIL

## MACHINE REASONING AND EXPERT SYSTEMS

**Country**

United Kingdom - England

**Host Institution**

University College London

**Program(s)**

University College London

**UCEAP Course Level**

Upper Division

**UCEAP Subject Area(s)**

Computer Science

**UCEAP Course Number**

102

**UCEAP Course Suffix**

N

**UCEAP Official Title**

MACHINE REASONING AND EXPERT SYSTEMS

**UCEAP Transcript Title**

MACHINE REASONING

**UCEAP Quarter Units**

6.00

**UCEAP Semester Units**

4.00

### **Course Description**

This course covers the basic principles of machine reasoning, exploring the foundations of the rapidly developing field of artificial intelligence, and outlining the mathematical techniques used in both knowledge representation and future artificial intelligence courses. Once equipped with the main technical and theoretical tools, students are presented with a selection of different applications of machine reasoning, e.g., natural language processing, machine vision, and robotics, to create a point of contact with real-world examples and future, more advanced AI courses.

### **Language(s) of Instruction**

English

### **Host Institution Course Number**

BASC0047

### **Host Institution Course Title**

MACHINE REASONING AND EXPERT SYSTEMS

### **Host Institution Course Details**

<https://www.ucl.ac.uk/module-catalogue/modules/machine-reasoning-and-expert-sys...>

### **Host Institution Campus**

### **Host Institution Faculty**

### **Host Institution Degree**

### **Host Institution Department**

UCL Arts and Sciences

### **Course Last Reviewed**

2024-2025

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