

# COURSE DETAIL

## KNOWLEDGE & REASONING

**Country**

United Kingdom - England

**Host Institution**

University of Sussex

**Program(s)**

University of Sussex

**UCEAP Course Level**

Upper Division

**UCEAP Subject Area(s)**

Computer Science

**UCEAP Course Number**

126

**UCEAP Course Suffix****UCEAP Official Title**

KNOWLEDGE & REASONING

**UCEAP Transcript Title**

KNOWLEDGE&REASONING

**UCEAP Quarter Units**

6.00

**UCEAP Semester Units**

4.00

**Course Description**

This course covers computational methods of knowledge, representation, and reasoning, tracing their origins in epistemology and the study of logic, and showing their evolution and use in artificial intelligence. Students discuss theories of knowledge and related developments in Artificial Intelligence in the context of the historic development of the field; and demonstrate knowledge of several established knowledge representation and reasoning methods such as sentential logic, semantic networks, ontologies, fuzzy systems, and Bayesian networks.

**Language(s) of Instruction**

English

**Host Institution Course Number**

G6019

**Host Institution Course Title**

KNOWLEDGE & REASONING

**Host Institution Campus**

University of Sussex

**Host Institution Faculty****Host Institution Degree****Host Institution Department**

Informatics

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