

COURSE DETAIL

THINKING AND REASONING

Country

United Kingdom - Scotland

Host Institution

University of Edinburgh

Program(s)

University of Edinburgh

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Psychology

UCEAP Course Number

116

UCEAP Course Suffix**UCEAP Official Title**

THINKING AND REASONING

UCEAP Transcript Title

THINKING&REASONING

UCEAP Quarter Units

8.00

UCEAP Semester Units

5.30

Course Description

This course covers concepts of rationality, the "classic" research into the cognitive psychology of reasoning, and decision-making. Topics include nature of representation, operations on representations, and levels of analysis; different types of models in psychology (i.e., descriptive, normative, verbal vs formal); epistemic rationality and its connection to Bayes' Theorem; issues of rational belief revision; deductive reasoning in syllogisms and if-then conditionals, with a specific focus on the debate between mental rules and mental models approaches to these topics; probabilistic approaches to deduction. Dual process models of reasoning; instrumental rationality and its connection to decision theory; abductive reasoning & science of explanation; subjective expected utility theory and Prospect Theory; and decision by sampling and heuristics within the bounded rationality paradigm.

Language(s) of Instruction

English

Host Institution Course Number

PSYL10138

Host Institution Course Title

THINKING AND REASONING

Host Institution Campus

University of Edinburgh

Host Institution Faculty

School of Philosophy, Psychology and Language Sciences

Host Institution Degree

Host Institution Department

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