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 Course Details
http://www.drps.ed.ac.uk/22-23/dpt/cxpsyl10138.htm

Host Institution Campus
University of Edinburgh

Host Institution Faculty
School of Philosophy, Psychology and Language Sciences

Host Institution Degree

Host Institution Department

Course Last Reviewed
2022-2023

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