

COURSE DETAIL

HUMAN REASONING AND COMPLEX COGNITION

Country

Netherlands

Host Institution

Maastricht University - University College Maastricht

Program(s)

University College Maastricht

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Psychology

UCEAP Course Number

135

UCEAP Course Suffix**UCEAP Official Title**

HUMAN REASONING AND COMPLEX COGNITION

UCEAP Transcript Title

HUMAN REASONING

UCEAP Quarter Units

6.00

UCEAP Semester Units

4.00

Course Description

This course is concerned with theoretical (psychological) and empirical perspectives on human reasoning and decision making. Reasoning involves making deductive or inductive inferences and judging them according to current goals, beliefs, and knowledge. Decision making refers to choosing between alternatives (e.g. different mental models). Both topics are of central importance to humans and even though some seem to reason better than others or their decisions seem more sound, thinking remains an important and for some uniquely human feature. Studying humans' thought (both reasoning and decision making) belongs to the field of Cognitive Psychology. Like most topics studied by psychologists, both reasoning and decision making include a wide range of explanatory models that emphasize different aspects of human thought. Eleven topics of the (cognitive) psychology of reasoning and decision making are discussed using a Problem Based Learning format. The topics are: hypothetical reasoning, the mental imagery-debate, the psychology of decision making, Signal Detection Theory and vigilance, emotions and reasoning, emotions and decision making (the Somatic Marker hypothesis), subliminal perception, deductive and inductive reasoning (heuristics and biases) and socio-economical decision making (pro-social behavior: risk and trust). Prerequisites are: Introduction to Psychology, Artificial Intelligence, and at least two intermediate level courses.

Language(s) of Instruction

English

Host Institution Course Number

SSC3019

Host Institution Course Title

HUMAN REASONING AND COMPLEX COGNITION

Host Institution Campus

University College Maastricht

Host Institution Faculty

Social Sciences

Host Institution Degree

Host Institution Department
Psychology

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