

COURSE DETAIL

COGNITION AND BRAIN

Country

Ireland

Host Institution

Trinity College Dublin

Program(s)

Irish Universities, Trinity College Dublin

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Psychology

UCEAP Course Number

149

UCEAP Course Suffix**UCEAP Official Title**

COGNITION AND BRAIN

UCEAP Transcript Title

COGNITION & BRAIN

UCEAP Quarter Units

4.00

UCEAP Semester Units

2.70

Course Description

This course provides a foundation in understanding core cognitive mechanisms of the mind. It introduces students to the study of the mind from the perspective of theoretical models of cognition, inspired by experimental psychology, and to the neural substrate of cognitive processes, led by contemporary models and methods in cognitive neuroscience. The course provides foundations in philosophy of mind, experimental approaches to the study of cognition and behavior, and methods for understanding the neural substrate of cognition (e.g. fMRI, EEG and brain lesion analysis). Topics include learning, attention, memory, decision-making, goal-oriented behavior, and metacognition. The role of modulatory influences on cognition is also examined, from the influence of emotion and changing states of consciousness, to the long-term impact of aging. The influence of cognitive modeling and artificial intelligence for understanding mind is also examined.

Language(s) of Instruction

English

Host Institution Course Number

PS1A13

Host Institution Course Title

COGNITION AND BRAIN

Host Institution Campus

Trinity College Dublin

Host Institution Faculty

Host Institution Degree

Host Institution Department

Psychology

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