

COURSE DETAIL

BRAIN AND BEHAVIOR

Country

United Kingdom - England

Host Institution

University College London

Program(s)

University College London

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Psychology

UCEAP Course Number

156

UCEAP Course Suffix**UCEAP Official Title**

BRAIN AND BEHAVIOR

UCEAP Transcript Title

BRAIN & BEHAVIOR

UCEAP Quarter Units

6.00

UCEAP Semester Units

4.00

Course Description

This course introduces students to the study of the neurobiology of behavior. It consists of five parts. Part 1: "Historical Perspectives, Neurons, Neuroanatomy and Methods" introduces foundational ideas that are built on in subsequent lectures. Part 2: "Sensory and Motor Systems" introduces core ideas and experiments in the study of sensation and action. For example, describing the visual and other sensory processing streams and how the motor system works, including the operation of 'mirror neurons' that respond during observation of a movement and making the movement. Part 3: "Emotion, Stress and Social Behavior" covers these topics at the large-scale population level to specific neural circuits. Part 4: "Learning and Memory" explore research examining how we and other animals remember the past and learn new information. Part 5: "Disorders and the Prefrontal Cortex" covers research on neurological disorders such as Alzheimer's disease and mental health disorders such as schizophrenia and post-traumatic stress disorder, and concludes with the role of the prefrontal cortex in controlling behavior.

Language(s) of Instruction

English

Host Institution Course Number

PSYC0014

Host Institution Course Title

BRAIN AND BEHAVIOR

Host Institution Campus

University College London

Host Institution Faculty

Host Institution Degree

Host Institution Department

Psychology

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