

COURSE DETAIL

TOPICS IN NEUROBIOLOGY

Country

United Kingdom - England

Host Institution

University College London

Program(s)

English Universities, University College London

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Psychology Biological Sciences

UCEAP Course Number

151

UCEAP Course Suffix**UCEAP Official Title**

TOPICS IN NEUROBIOLOGY

UCEAP Transcript Title

TOPICS NEUROBIOLOGY

UCEAP Quarter Units

6.00

UCEAP Semester Units

4.00

Course Description

This course explores some of the biological bases of behavior. It focuses on learning and memory, mainly using spatial and episodic memory as a model system with which to explore issues such as how neurons represent information, and how this representation is modified by experience. Students use multiple levels of description ranging from the genes contained within the neurons, through the proteins they make, the dynamical functions carried out by neurons (e.g. synaptic transmission, modification of connections etc.), the interactions of groups of neurons in circuits to form cognitive representations, and all the way up to the animal's macroscopic behavior and how this interacts with the environment.

Language(s) of Instruction

English

Host Institution Course Number

PSYC0035

Host Institution Course Title

TOPICS IN NEUROBIOLOGY

Host Institution Campus

University College London

Host Institution Faculty

Host Institution Degree

Host Institution Department

Psychology

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