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 Course Details

Host Institution Campus
University College London

Host Institution Faculty

Host Institution Degree

Host Institution Department
Psychology

Course Last Reviewed

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