

COURSE DETAIL

ANIMAL MODELS IN NEUROBIOLOGY

Country

Italy

Host Institution

University of Padua

Program(s)

Psychology and Cognitive Science, Padua

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Psychology

UCEAP Course Number

176

UCEAP Course Suffix**UCEAP Official Title**

ANIMAL MODELS IN NEUROBIOLOGY

UCEAP Transcript Title

ANIML MODLS NEUOPS

UCEAP Quarter Units

5.00

UCEAP Semester Units

3.30

Course Description

This course examines the use of animal models in translational research to study human diseases (in particular, neuropsychiatric disorders) and the methodology applied. The course discusses topics including the history of animal models; classification of animals; animal diversity; evolution of nervous systems in invertebrates and vertebrates; ethics of animal research; and animal models of neuropsychiatric disorders. Animal models used in research: the nematode *C. elegans*, the common fruit fly (*Drosophila melanogaster*), the zebrafish (*Danio rerio*), the chick (*Gallus gallus*), and the mouse (*Mus musculus*). A lesson is focused on research conducted in cephalopods. For each animal model information about biology, application in scientific research with reference to neuropsychiatric and neurological disorders is provided. The course recommends students have basic knowledge of general biology, psychobiology, and genetics as a prerequisite.

Language(s) of Instruction

English

Host Institution Course Number

PSQ1096499

Host Institution Course Title

ANIMAL MODELS IN NEUROBIOLOGY

Host Institution Campus

Host Institution Faculty

Psychology

Host Institution Degree

Second Cycle Degree in Cognitive Neuroscience and Clinical
Neuropsychology

Host Institution Department

[Print](#)