

COURSE DETAIL

METHODS IN BEHAVIORAL NEUROSCIENCE

Country

Taiwan

Host Institution

National Taiwan University

Program(s)

National Taiwan University

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Psychology

UCEAP Course Number

124

UCEAP Course Suffix**UCEAP Official Title**

METHODS IN BEHAVIORAL NEUROSCIENCE

UCEAP Transcript Title

BEHAVIORAL NEUROSCI

UCEAP Quarter Units

4.50

UCEAP Semester Units

3.00

Course Description

This course provides hands-on experience with mice to study their behavior through a set of experiments. Experiments include injection of medicines and blood sampling, locomotor activity, hot plate, tail suspension, Morris water maze, elevated plus maze, S1 stereotaxic surgery demo plus dye-injection plus buffer preparation, S2 perfusion, S3 PCR plus Gel electrophoresis , H1 brain sectioning plus section mounting, H3 cell counting plus image analysis. During the semester, each student is assigned to two mice, and is responsible for its living, including environment and food. Assessment: two presentations plus a final report.

Language(s) of Instruction

Chinese

Host Institution Course Number

Psy5024

Host Institution Course Title

METHODS IN BEHAVIORAL NEUROSCIENCE

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department

Psychology

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