

# COURSE DETAIL

## MECHANISMS OF BRAIN DEVELOPMENT 3

**Country**

United Kingdom - Scotland

**Host Institution**

University of Edinburgh

**Program(s)**

Scottish Universities, University of Edinburgh

**UCEAP Course Level**

Upper Division

**UCEAP Subject Area(s)**

Biological Sciences

**UCEAP Course Number**

137

**UCEAP Course Suffix****UCEAP Official Title**

MECHANISMS OF BRAIN DEVELOPMENT 3

**UCEAP Transcript Title**

MECHANISM BRAIN DEV

**UCEAP Quarter Units**

8.00

**UCEAP Semester Units**

5.30

## Course Description

This course includes study of the following topics: mechanisms of development of the nervous system from neural tube formation to adulthood; genetic regulation of neuronal differentiation; cell proliferation, cell death, and cell migration; neurite extension; synaptogenesis; activity-dependent regulation of gene expression; neural anatomy; physiology and behavior; conservation of mechanisms from invertebrates to mammals; and techniques employed for studying neural development.

## Language(s) of Instruction

English

## Host Institution Course Number

BIME09005

## Host Institution Course Title

MECHANISMS OF BRAIN DEVELOPMENT 3

## Host Institution Campus

Edinburgh

## Host Institution Faculty

## Host Institution Degree

## Host Institution Department

Biomedical Sciences

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