

# COURSE DETAIL

## DEVELOPMENTAL NEUROSCIENCE AND NEUROLOGY

**Country**

United Kingdom - England

**Host Institution**

University College London

**Program(s)**

Summer at University College London

**UCEAP Course Level**

Upper Division

**UCEAP Subject Area(s)**

Biological Sciences

**UCEAP Course Number**

108

**UCEAP Course Suffix**

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**UCEAP Official Title**

DEVELOPMENTAL NEUROSCIENCE AND NEUROLOGY

**UCEAP Transcript Title**

DEVELOPMTL NEUROSCI

**UCEAP Quarter Units**

6.00

**UCEAP Semester Units**

4.00

### **Course Description**

The brain develops rapidly during the fetal and early postnatal period. While some aspects of development are genetically guided, others are activity-dependent. This means that special patterns of spontaneous electrical activity are required to correctly wire up the brain. This partly explains why fetal and neonatal brain injury can result in life-long negative consequences. Brain injury can result in either suppressed electrical activity or excessive electrical activity in the form of seizures. As a result, fragile early brain networks do not receive the carefully balanced patterns of electrical activity which they need to develop correctly. In this course students learn about this critical foundation of normal brain development, and how it can go wrong.

### **Language(s) of Instruction**

English

### **Host Institution Course Number**

ISSU0116

### **Host Institution Course Title**

DEVELOPMENTAL NEUROSCIENCE AND NEUROLOGY

### **Host Institution Course Details**

<https://www.ucl.ac.uk/prospective-students/summer-school/modules/developmental-...>

### **Host Institution Campus**

University College London

### **Host Institution Faculty**

### **Host Institution Degree**

### **Host Institution Department**

Neuroscience, Physiology and Pharmacology, Division of Biosciences

**Course Last Reviewed**

2023-2024

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