

## COURSE DETAIL

### REGULATORY GENOMICS AND EVOLUTION

**Country**

United Kingdom - England

**Host Institution**

University College London

**Program(s)**

University College London

**UCEAP Course Level**

Upper Division

**UCEAP Subject Area(s)**

Biological Sciences

**UCEAP Course Number**

178

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

REGULATORY GENOMICS AND EVOLUTION

**UCEAP Transcript Title**

REGULATORY GENOMICS

**UCEAP Quarter Units**

6.00

**UCEAP Semester Units**

4.00

## Course Description

Competency in structure and function of genomes as well as their evolution is essential in modern biology. This course gives students an advanced understanding of current scientific research in molecular mechanism of gene regulation, evolution of genomes and experimental approaches to study the function of genomes. The course focuses on the contribution of molecular biology and genomics to our knowledge of regulation of the gene activity in eukaryotic organisms and concepts of gene expression evolution. Critical analysis of original experimental data provides the intellectual framework for students to discuss the design of experiments and to draw appropriate conclusions from any results.

### Language(s) of Instruction

English

### Host Institution Course Number

BIOL0025

### Host Institution Course Title

REGULATORY GENOMICS AND EVOLUTION

### Host Institution Campus

### Host Institution Faculty

### Host Institution Degree

### Host Institution Department

Biosciences

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