

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 Course Details

<https://www.ucl.ac.uk/module-catalogue/modules/regulatory-genomics-and-evolutio...>

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department

Biosciences

Course Last Reviewed

2022-2023

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