

# COURSE DETAIL

## MOLECULAR BASIS OF GENE EXPRESSION

**Country**

United Kingdom - England

**Host Institution**

King's College London

**Program(s)**

King's College London

**UCEAP Course Level**

Upper Division

**UCEAP Subject Area(s)**

Biological Sciences

**UCEAP Course Number**

120

**UCEAP Course Suffix**

N

**UCEAP Official Title**

MOLECULAR BASIS OF GENE EXPRESSION

**UCEAP Transcript Title**

GENE EXPRESSION

**UCEAP Quarter Units**

6.00

**UCEAP Semester Units**

4.00

### **Course Description**

The course develops students' understanding of key concepts of the mechanisms by which gene expression is regulated. The multiple levels at which gene expression is regulated is described in relation to the central dogma of molecular genetics whereby genetic information flows from DNA to messenger RNA (mRNA) to protein. Students learn about how gene expression is regulated at the level of transcription, post-transcriptional processing, translation, and post-translation.

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

English

### **Host Institution Course Number**

5BBG0205

### **Host Institution Course Title**

MOLECULAR BASIS OF GENE EXPRESSION

### **Host Institution Course Details**

<https://keats.kcl.ac.uk/mod/url/view.php?id=6899195>

### **Host Institution Campus**

King's College London (Guy's)

### **Host Institution Faculty**

### **Host Institution Degree**

### **Host Institution Department**

### **Course Last Reviewed**

2023-2024

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