

## COURSE DETAIL

### MOLECULAR GENETICS 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**

104

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

MOLECULAR GENETICS 3

**UCEAP Transcript Title**

MOLECULAR GENETICS

**UCEAP Quarter Units**

8.00

**UCEAP Semester Units**

5.30

## Course Description

This is a core course in molecular genetics. The course covers chromosome structure and organization, gene expression and RNA processing in prokaryotes and eukaryotes, genetic engineering, genetic stability and instability, transposable elements and DNA rearrangements, genetic analysis, mouse genetics, and transgenesis. Lectures are complemented by tutorials and by practical sessions that provide hands-on experience of genetic and molecular genetic manipulations.

## Language(s) of Instruction

English

## Host Institution Course Number

BILG09002

## Host Institution Course Title

MOLECULAR GENETICS 3

## Host Institution Campus

Edinburgh

## Host Institution Faculty

## Host Institution Degree

## Host Institution Department

Biology

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