

COURSE DETAIL

APPLICATIONS OF MOLECULAR GENETICS IN BIOLOGY

Country

United Kingdom - England

Host Institution

University of London, Royal Holloway

Program(s)

University of London, Royal Holloway

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Biological Sciences

UCEAP Course Number

141

UCEAP Course Suffix**UCEAP Official Title**

APPLICATIONS OF MOLECULAR GENETICS IN BIOLOGY

UCEAP Transcript Title

MOLECULAR GENETICS

UCEAP Quarter Units

6.00

UCEAP Semester Units

4.00

Course Description

This course outlines the molecular tools currently available for the exploration of genetic diversity in a range of organisms, and for the genetic manipulation of micro-organisms, plants, and animals. It describes how genetically modified, transgenic organisms can be produced by a variety of transformation methodologies. The course examines the application of molecular genetic strategies in basic biological and biomedical research and in areas as diverse as crop improvement, pest management, vaccine development, microbial evolution, human inherited disease, and cancer.

Language(s) of Instruction

English

Host Institution Course Number

BS2150

Host Institution Course Title

APPLICATIONS OF MOLECULAR GENETICS IN BIOLOGY

Host Institution Campus**Host Institution Faculty****Host Institution Degree****Host Institution Department**

Biological Sciences

[Print](#)