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 Course Details
https://ssb-prod.ec.royalholloway.ac.uk/PROD/bwckctlg.p_disp_catalog_syllabus?c...

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department
Biological Sciences

Course Last Reviewed
2024-2025

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