COURSE DETAIL

GENETICS AND MOLECULAR BIOLOGY

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
112

UCEAP Course Suffix
N

UCEAP Official Title
GENETICS AND MOLECULAR BIOLOGY

UCEAP Transcript Title
GENETICS &MOLEC BIO

UCEAP Quarter Units
6.00

UCEAP Semester Units

4.00

Course Description

This course introduces students to the key principles of genetics including Mendelian genetics, inheritance of genes, gene interaction, sex determination, polyploidy, casus and effects of mutations, gene cloning, prokaryote and eukaryote gene expression, recombination and its use in gene mapping, bacterial genetics, population and evolutionary genetics, basic molecular biology techniques including plasmid construction, PCR and DNA sequencing, and research applications of genetics. Students develop skills through data handling and problem solving, and through laboratory-based practical work.

Language(s) of Instruction
English

Host Institution Course Number
4BBY1070

Host Institution Course Title
GENETICS AND MOLECULAR BIOLOGY

Host Institution Course Details
https://acrobat.adobe.com/link/review?uri=urn:aaid:scds:US:0dca6c79-e860-3a98-b...

Host Institution Campus
Strand

Host Institution Faculty

Host Institution Degree

Host Institution Department
Genetics

Course Last Reviewed

2023-2024

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