

COURSE DETAIL

FUNDAMENTALS OF MOLECULAR BIOLOGY

Country

United Kingdom - England

Host Institution

University College London

Program(s)

University College London

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Biological Sciences

UCEAP Course Number

113

UCEAP Course Suffix

A

UCEAP Official Title

FUNDAMENTALS OF MOLECULAR BIOLOGY

UCEAP Transcript Title

FUND/MOLECULAR BIO

UCEAP Quarter Units

6.00

UCEAP Semester Units

4.00

Course Description

The course explains the basic concepts, techniques, and uses of modern molecular biology techniques. Practical sessions and associated tutorials give hands-on experience of molecular techniques including electrophoresis, sequencing, cloning, and the polymerase chain reaction. The course begins with lectures that introduce molecular biology concepts, or serve as a refresher for students who already have some experience. It then moves into a description of contemporary tools and then applications. Lecturers explain some of the diverse applications of these techniques, with reference to their own research in fields including metagenomics, transcriptomics, proteomics, cell and developmental biology, and forensic anthropology.

Language(s) of Instruction

English

Host Institution Course Number

BIOL0008

Host Institution Course Title

FUNDAMENTALS OF MOLECULAR BIOLOGY

Host Institution Campus

UCL

Host Institution Faculty

Host Institution Degree

Host Institution Department

Biological Sciences

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