

COURSE DETAIL

GENES, MOLECULES, & CELLS 2

Country

United Kingdom - Scotland

Host Institution

University of Glasgow

Program(s)

University of Glasgow

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Biological Sciences

UCEAP Course Number

124

UCEAP Course Suffix**UCEAP Official Title**

GENES, MOLECULES, & CELLS 2

UCEAP Transcript Title

GENES/MOLEC/CELLS 2

UCEAP Quarter Units

12.00

UCEAP Semester Units

8.00

Course Description

The course covers core areas of biomolecular sciences, in particular the genetic, molecular, and cellular processes that underpin biological systems. The course equips students with a general knowledge and understanding of the fundamental concepts that form the basis of these subject areas, revealing the complexity of biological systems, aspects of the molecular basis of life, and how molecular mechanisms are regulated in healthy organisms but may fail in disease. The thematic areas of the course are genetics, environmental perception, developmental biology and energetics, enzymes and proteins. They cover topics as diverse as the control of genetic information, the use of model organisms, the control of cell shape, cell division and movement, organogenesis and the development of drugs. The course also teaches basic experimental approaches and specific laboratory skills.

Language(s) of Instruction

English

Host Institution Course Number

BIOL2042

Host Institution Course Title

GENES, MOLECULES, & CELLS 2

Host Institution Course Details

<https://www.gla.ac.uk/coursecatalogue/course/?code=BIOL2042>

Host Institution Campus

Host Institution Faculty

School of Molecular Biosciences

Host Institution Degree

Host Institution Department

Course Last Reviewed

2025-2026

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