

COURSE DETAIL

BIOMEDICINE: THE CELL AND ITS ENVIRONMENT

Country

Sweden

Host Institution

Lund University

Program(s)

Lund University

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Biological Sciences

UCEAP Course Number

130

UCEAP Course Suffix**UCEAP Official Title**

BIOMEDICINE: THE CELL AND ITS ENVIRONMENT

UCEAP Transcript Title

CELL & ENVIRONMENT

UCEAP Quarter Units

12.00

UCEAP Semester Units

8.00

Course Description

The course involves specialization but also a broadening of earlier courses in biochemistry and basic cell biology in the Biomedicine programme. Different themes in cell biology are covered each week, such as intracellular signal transduction, gene regulation and non-coding RNA, specialized cells and basic tissue types, cell cycle and cancer, cell interactions, the extracellular matrix, and the movement of cells. The course focuses on the molecular and cellular mechanisms that control cells and the basic functions of their surroundings. The course acts as a bridge to future courses in e.g. neurobiology and immunology as well as human organ systems and homeostasis by discussing specialized cells and their role in different physiological and pathophysiological situations. In addition to knowledge of cell biology, the course provides experience in extracting, interpreting and presenting information from research articles and training in solving problems in cell biology experimentally through the application of cellular and molecular biology methods. The course contains training components for GLP and quality assurance in the development and production of drugs. The course also provides training regarding working in groups and giving and receiving constructive feedback. Entry requirements include Biology and Chemistry of the Cell 30 credits and completed courses in Biochemistry and Cellular Metabolism 7.5 credits and Genetics and Genomics 7.5 credits, or at least 37.5 credits from completed first-cycle courses of which at least 15 credits in Eukaryotic Cell Biology, 15 credits in Chemistry/Biochemistry and 7.5 credits in Human Genetics.

Language(s) of Instruction

English

Host Institution Course Number

BIMB23

Host Institution Course Title

BIOMEDICINE: THE CELL AND ITS ENVIRONMENT

Host Institution Course Details

<https://www.medicine.lu.se/sites/medicine.lu.se/files/2023-03/BIMB23.pdf>

Host Institution Campus

Lund

Host Institution Faculty

Medicine

Host Institution Degree**Host Institution Department**

Biomedicine

Course Last Reviewed

2025-2026

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