

COURSE DETAIL

CELL BIOLOGY

Country

Netherlands

Host Institution

Maastricht University - Center for European Studies

Program(s)

Biological and Life Sciences, Maastricht

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Biological Sciences

UCEAP Course Number

118

UCEAP Course Suffix**UCEAP Official Title**

CELL BIOLOGY

UCEAP Transcript Title

CELL BIOLOGY

UCEAP Quarter Units

6.00

UCEAP Semester Units

4.00

Course Description

This course discusses, at a detailed molecular level, different cellular and genetic processes that are the basis of life as we know it. The course aims to familiarize students with further knowledge in the field of cell biology, which enables them to better understand and appreciate the newest developments in this research area. Discussions revolve around general cell biological topics such as the role of membranes, membrane transport of small molecules, the nuclear architecture, the organization of the genome, regulation of transcription and translation, protein trafficking, the cell cycle and maintenance of genomic integrity, programmed cell death, and senescence. The last task, dealing with cancer, serves as an integration task; knowledge of the previous topics is required to appreciate what the consequences can be when a cell goes astray, and the defense mechanisms of the body fail. Prerequisites: Introduction to Biology.

Language(s) of Instruction

English

Host Institution Course Number

BIO2001

Host Institution Course Title

CELL BIOLOGY

Host Institution Course Details

<https://curriculum.maastrichtuniversity.nl/education/contract/public-health-med...>

Host Institution Campus

Maastricht University

Host Institution Faculty

Center for European Studies

Host Institution Degree

Host Institution Department

Science

Course Last Reviewed

2024-2025

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