COURSE DETAIL

CELL BIOLOGY

Country
Netherlands

Host Institution
Utrecht University

Program(s)
Utrecht University

UCEAP Course Level
Lower Division

UCEAP Subject Area(s)
Biological Sciences

UCEAP Course Number
15

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 is a foundation course in Cell Biology. The first part of the course focuses on the molecules that serve as building blocks for cellular components and the chemical reactions by which these molecules are formed or broken down. Special attention is given to proteins, since these molecules are so fundamental to cell function. Next, the concept and process of cell specialization in multicellular organisms is studied by examining how cells maintain, copy, transcribe and translate their genetic material. Cellular organization is studied in the second part of the course. How different cellular components are delivered to the right location and how intercellular communication and cell division take place are reviewed. In addition to acquiring knowledge about the safe handling of microorganisms and cells in laboratory settings, the relevant laws and regulations in the Netherlands about this subject are reviewed. For this purpose, 2 lectures, 2 practicals, an eLearning module, and digital end test are organized. If the end test is completed successfully, students get a certificate indicating they can work in biological laboratories (VMT-certificate).

Language(s) of Instruction
English

Host Institution Course Number
MBLS-101

Host Institution Course Title
CELL BIOLOGY

Host Institution Course Details
https://cursusplanner.uu.nl/Curriculum

Host Institution Campus
Utrecht University

Host Institution Faculty
Science

Host Institution Degree
Host Institution Department
Course Last Reviewed 2024-2025

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