

COURSE DETAIL

FROM MOLECULES TO CELLS

Country

Ireland

Host Institution

Trinity College Dublin

Program(s)

Trinity College Dublin

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Biological Sciences

UCEAP Course Number

106

UCEAP Course Suffix**UCEAP Official Title**

FROM MOLECULES TO CELLS

UCEAP Transcript Title

MOLECULES TO CELLS

UCEAP Quarter Units

4.00

UCEAP Semester Units

2.70

Course Description

This course introduces fundamental concepts in the following cellular structures and processes: the structure and function of cells and organelles; structures and functions of nucleic acids, proteins, carbohydrates, and lipids; regulation of metabolism; the composition, structure synthesis, and function of DNA and RNA; regulation of gene expression in prokaryotes and eukaryotes; chromatin structure and epigenetic regulation of gene expression; the principles of genetic inheritance; and genetic diseases and fundamental concepts in virology.

Language(s) of Instruction

English

Host Institution Course Number

BYU22201

Host Institution Course Title

FROM MOLECULES TO CELLS

Host Institution Campus

Trinity College Dublin

Host Institution Faculty**Host Institution Degree****Host Institution Department**

Biological and Biomedical Sciences

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