

# COURSE DETAIL

## BIOLOGY 1

**Country**

United Kingdom - Scotland

**Host Institution**

University of St Andrews

**Program(s)**

University of St Andrews

**UCEAP Course Level**

Lower Division

**UCEAP Subject Area(s)**

Biological Sciences

**UCEAP Course Number**

20

**UCEAP Course Suffix****UCEAP Official Title**

BIOLOGY 1

**UCEAP Transcript Title**

BIOLOGY 1

**UCEAP Quarter Units**

8.00

**UCEAP Semester Units**

5.30

**Course Description**

This course is an introduction to molecular and cellular biology. It covers cell diversity and the origins of life, cellular structures, and fundamental processes. Students investigate the central dogma of molecular biology through the examination of the structure and function of DNA, RNA, and proteins, and they examine how this knowledge led to modern developments in biotechnology. The final section of the course gives an introduction into molecular and population genetics with an emphasis on the process of evolution. Throughout the course the lecture material is complemented by extensive practical classes where biological laboratory techniques are taught and practiced through, for example, microscopy, DNA isolation, dissection, and thin layer chromatography.

**Language(s) of Instruction**

English

**Host Institution Course Number**

BL1101

**Host Institution Course Title**

BIOLOGY 1

**Host Institution Course Details**

[https://synergy.st-andrews.ac.uk/biocurrentstudent/online\\_module\\_handbook/?modu...](https://synergy.st-andrews.ac.uk/biocurrentstudent/online_module_handbook/?modu...)

**Host Institution Campus**

St Andrews

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

Biology

**Course Last Reviewed**

2019-2020

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