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...

Host Institution Campus
St Andrews

Host Institution Faculty

Host Institution Degree

Host Institution Department
Biology

Course Last Reviewed
2019-2020

Print