COURSE DETAIL

BIOINFORMATICS 1
Country United Kingdom - Scotland
Host Institution University of Edinburgh
Program(s) University of Edinburgh
UCEAP Course Level Upper Division
UCEAP Subject Area(s) Computer Science Biological Sciences
UCEAP Course Number 164
UCEAP Course Suffix
UCEAP Official Title BIOINFORMATICS 1
UCEAP Transcript Title BIOINFORMATICS 1
UCEAP Quarter Units 4.00
UCEAP Semester Units 2.70

Course Description

This course introduces the discipline of Bioinformatics to students from both physical science and life science backgrounds. It introduces key biological concepts including the main types of molecules (DNA, RNA, and protein) as well as the cell biological processes involved in their regulation and function in biological systems. Students learn to work with and analyze biological sequences through biological sequence databases, process automation, algorithms, and tools to allow pairwise and multiple sequence alignment, as well as approaches using high-throughput next-generation sequence data.

Language(s) of Instruction
English

Host Institution Course Number
INFR11160

Host Institution Course Title
BIOINFORMATICS 1

Host Institution Course Details
http://www.drps.ed.ac.uk/21-22/dpt/cxinfr11160.htm

Host Institution Campus

Host Institution Faculty
School of Informatics

Host Institution Degree

Host Institution Department

Course Last Reviewed
2021-2022

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