COURSE DETAIL

BIOINFORMATICS
Country Hong Kong
Host Institution University of Hong Kong
Program(s) University of Hong Kong
UCEAP Course Level Upper Division
UCEAP Subject Area(s) Computer Science
UCEAP Course Number 153
UCEAP Course Suffix
UCEAP Official Title BIOINFORMATICS
UCEAP Transcript Title BIOINFORMATICS
UCEAP Quarter Units 5.00
UCEAP Semester Units 3.30

Course Description
This course provides a grounding in basic bioinformatics algorithms, tools, and databases. The course also provides hands-on bioinformatics analysis experience and the ability to conduct independent bioinformatics analyses. Topics: algorithms, especially those for sequence alignment and assembly, which comprise the foundation of the rapid development of bioinformatics and DNA sequencing; leading bioinformatics tools for comparing and analyzing genomes starting from raw sequencing data; the functions and organization of a few essential bioinformatics databases and how they support various types of bioinformatics analysis.

Language(s) of Instruction
English

Host Institution Course Number
COMP3353

Host Institution Course Title
BIOINFORMATICS

Host Institution Course Details

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department
Computer Science

Course Last Reviewed

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