COURSE DETAIL

FUNDAMENTALS OF BIOINFORMATICS
Country Spain
Host Institution Carlos III University of Madrid
Program(s) Carlos III University of Madrid
UCEAP Course Level Upper Division
UCEAP Subject Area(s) Computer Science Bioengineering
UCEAP Course Number 128
UCEAP Course Suffix
UCEAP Official Title FUNDAMENTALS OF BIOINFORMATICS
UCEAP Transcript Title INTRO BIOINFORMATCS
UCEAP Quarter Units 5.00
UCEAP Semester Units 3.30

Course Description

This course offers an introduction to data science for genomic data. It discusses basic algorithms for genome sequencing, compares DNA sequences or proteins, and analyzes databases with the genomic profiles of different patients for the extraction of information. Other topics include: computational methods for analyzing and performing DNA data sequencing; advanced statistical methods for the analysis of genomic data; statistical tests for the extraction of conclusions.

Language(s) of Instruction
English

Host Institution Course Number
16807

Host Institution Course Title
FUNDAMENTOS DE BIOINFORMÁTICA

Host Institution Course Details
https://aplicaciones.uc3m.es/cpa/generaFicha?est=350&anio=2023&plan=392&asig=16...

Host Institution Campus
Leganés

Host Institution Faculty
Escuela Politécnica Superior

Host Institution Degree
Ciencia e Ingeniería de Datos

Host Institution Department
Teoría de la Señal y Comunicaciones

Course Last Reviewed
2023-2024

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