

BIOL 419: Bioinformatics Lec/Lab

Learn the most important concepts, methods, tools and databases in bioinformatics. Topics include sequence alignment, sequence search, molecular phylogenetics, next-generation sequencing, genome and transcriptome analysis, protein sequence analysis, protein structure modeling, machine learning, biological databases, bioprogramming, and bioinformatics tools.

Credits: 4

Prerequisites/Permissions:

BIOL 200

Program:

Biology

COURSE DESCRIPTIONS

Essential Learning Outcomes: ELO #3: Knowledge of the Physical and Natural World
ELO #4: Intellectual and Practical Skills