COURSE DETAIL

BIOPHYSICS
Country Germany
Host Institution Free University of Berlin
Program(s) Free University Berlin
UCEAP Course Level Upper Division
UCEAP Subject Area(s) Physics
UCEAP Course Number 112
UCEAP Course Suffix
UCEAP Official Title BIOPHYSICS
UCEAP Transcript Title BIOPHYSICS
UCEAP Quarter Units 8.50
UCEAP Semester Units 5.70

Course Description

This lecture conveys the biophysical bases for the description and understanding of the structure, dynamics, and functions of biological molecules. Topics include an introduction to biological macromolecules; structure of complex biomolecules; self-organization of proteins and membranes through hydrophobic forces; ions, protonation, and protein electrostatics; introduction to calculations of molecular mechanics; protein folding and predicting structure; and motor enzymes and nanometer-scale movement.

Language(s) of Instruction
German

Host Institution Course Number
20101001,20101002

Host Institution Course Title
BIOPHYSIK FÜR BACHELOR

Host Institution Course Details
https://www.fu-berlin.de/vv/en/lv/1015217?m=1502440&pc=909347&sm=934771&id=1015...

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department
Physik

Course Last Reviewed
2025-2026

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