Syllabus

ALGORITHMS IN COMPUTATIONAL BIOLOGY - 76558

Last update 22-10-2017

HU Credits: 3

Degree/Cycle: 1st degree (Bachelor)

Responsible Department: computer science & computational biology

Academic year: 0

Semester: 1st Semester

Teaching Languages: Hebrew

Campus: E. Safra

Course/Module Coordinator: Dr. Tommy Kaplan

Coordinator Email: tommy@cs.huji.ac.il

Coordinator Office Hours: Sundays 9-10 or upon request

Teaching Staff:
Dr. Tommy Kaplan
Course/Module description:  
Introduction to computational methods for analysis of biological sequences

Course/Module aims:  
The structure of guiding principles for developing methods and algorithms to solve problems in computational biology methods.

Learning outcomes - On successful completion of this module, students should be able to:  
The student will be able to figure out how to put biological problems mathematically to formulate solutions to those problems and statistical algorithms.

Attendance requirements(%):  
100

Teaching arrangement and method of instruction: Frontal Lecture

Course/Module Content:  

Required Reading:  
Biological Sequence Analysis, by Durbin et al.

Additional Reading Material:  
None

Course/Module evaluation:  
End of year written/oral examination 30 %  
Presentation 0 %  
Participation in Tutorials 0 %  
Project work 0 %  
Assignments 45 %  
Reports 0 %  
Research project 0 %  
Quizzes 0 %  
Other 25 %
Scribes and Participation

Additional information:
None