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