



# *The Hebrew University of Jerusalem*

## *Syllabus*

### *Biochemistry lab for 2nd year - 72356*

*Last update 14-09-2021*

*HU Credits: 4*

*Degree/Cycle: 1st degree (Bachelor)*

*Responsible Department: Life Sciences*

*Academic year: 0*

*Semester: 2nd Semester*

*Teaching Languages: Hebrew*

*Campus: E. Safra*

*Course/Module Coordinator: Professor Tommer Ravid*

*Coordinator Email: [tommer.ravid@mail.huji.ac.il](mailto:tommer.ravid@mail.huji.ac.il)*

*Coordinator Office Hours: By appointment*

*Teaching Staff:*

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Prof Dana Reichmann,  
Prof Tommer Ravid,  
Ms. Sharon Feldman,  
Ms. Elisheva Gur,  
Mr. Gilad Ezra,  
Ms. Nadine Soudah,  
Mr. Yosef Levi,  
Ms. Yael Admoni,  
Ms. Geffen Buchzeiger,  
Mr. Amit Ifrach,  
Mr. Itai Yechezkel,  
Ms. Joanna Zamel

Course/Module description:

*Lab instruction on basic methods in biochemistry*

Course/Module aims:

*Experiencing lab work in biochemistry and understanding the principles of scientific work.*

Learning outcomes - On successful completion of this module, students should be able to:

*to understand and implement principles in biochemical lab work.*

Attendance requirements(%):

*100%*

*Teaching arrangement and method of instruction: Lab work*

Course/Module Content:

*Chapter 1: DNA transformation into bacteria and His-tagged HCA II expression in bacterial cells.*

*Chapter 2: Purification of the recombinant protein HCA II.*

*Chapter 3: Characterization of the catalytic properties of the enzyme HCA II.*

Required Reading:

*selected papers*

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Additional Reading Material:

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Course/Module evaluation:

End of year written/oral examination 0 %

Presentation 0 %

Participation in Tutorials 0 %

Project work 0 %

Assignments 0 %

Reports 60 %

Research project 0 %

Quizzes 20 %

Other 20 %

TA evaluation

Additional information:

Changes can be made in the registration only until 20.3.2022