



# *The Hebrew University of Jerusalem*

## *Syllabus*

### *INTRODUCTION TO BRAIN SCIENCES - The Jerusalem College for High School Students - 49671*

*Last update 08-03-2022*

*HU Credits: 0*

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

*Responsible Department: JERUSALEM COLLEGE*

*Academic year: 0*

*Semester: 1st Semester*

*Teaching Languages: Hebrew*

*Campus: E. Safra*

*Course/Module Coordinator: Prof. Inbal Goshen*

*Coordinator Email: [inbal.goshen@elsc.huji.ac.il](mailto:inbal.goshen@elsc.huji.ac.il)*

*Coordinator Office Hours:*

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Teaching Staff:

Prof Inbal Goshen,  
Dr. Tirzah Merzel Kreisel

Course/Module description:

The course deals with the physiological basis of behavior, and explores the basis of the connection between the activity of the individual nerve cell, nervous systems and the behaving animal.

Course/Module aims:

Basic knowledge of the structure of the brain, its processes and advanced methods for brain research

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

The students will be familiar with the structure of the brain, nervous system processes and various neurotransmitters.  
Students will be exposed to innovative research methods that allow direct examination of brain function.

Attendance requirements(%):

80%

Teaching arrangement and method of instruction: Frontal lectures  
Laboratory tour and experience

Course/Module Content:

Syllabus attached

Required Reading:

Syllabus attached

Additional Reading Material:

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Course/Module evaluation:

End of year written/oral examination 80 %

Presentation 0 %

Participation in Tutorials 0 %

Project work 0 %

Assignments 20 %

Reports 0 %

Research project 0 %

Quizzes 0 %

Other 0 %

Additional information: