

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: Enrichment Program for High School students

Academic year: 0

Semester: 2nd Semester

Teaching Languages: Hebrew

Campus: E. Safra

Course/Module Coordinator: Prof. Inbal Goshen

Coordinator Email: inbal.goshen@elsc.huji.ac.il

Coordinator Office Hours:

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:

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: