האוניברסיטה העברית בירושלים
THE HEBREW UNIVERSITY OF JERUSALEM

The Hebrew University of Jerusalem

Syllabus

NEUROPATHOLOGY - 51780

Last update 05-03-2017

HU Credits: *2*

Degree/Cycle: *2nd degree (Master)*

Responsible Department: *psychology*

Academic year: *0*

Semester: *2nd Semester*

Teaching Languages: *Hebrew*

Campus: *Mt. Scopus*

Course/Module Coordinator: *Leon Deouell*

Coordinator Email: *leon.deouell@mail.huji.ac.il*

Coordinator Office Hours: *Sunday 16:10-17:00*

Teaching Staff:

Prof Leon Deouell

Course/Module description:

This course will provide an overview of the cardinal neurological diseases, their presentation, diagnosis, neuropathological and genetic basis where known, and the modes of treatment. Neuropsychological deficits are commonly a result of a known neurological disease. In some of the cases the underlying neuropathological processes are known and in a minority the etiology or part of the genetic background is also known. Thus, neuropsychology, concerned with the behavioral, cognitive and emotional consequences of neurological disease cannot be detached from neuropathology. For example, a memory problem due to thalamic hemorrhage will not be the same as a memory problem due to Alzheimer disease. Students of neuropsychology will parts of clinical teams, and thus must be familiar with the professional terms, to be able to effectively communicate with other members of the team. For the neuropsychology researcher, interested in the neural basis of cognitive and emotional processes, understanding neuropathological processes is a necessity. For those who are not students of neuropsychology but are studying other aspects of brain science, getting to know the cardinal neurological diseases will open important windows to brain function, as well as present the translational, applicative potential of basic research.

Course/Module aims:

To provide the students with the fundamental terms in neurology and neuropathology.

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

Upon completion of the course the student will be able:
To describe the cardinal neurological diseases and the principles of neurological disgnosis.
To understand professional terms that will facilitate communication with medical and para-medical personal and with the patients.
To examine the neurolbiological data through the perspective of the diseased brain.

Attendance requirements(%):

50

Teaching arrangement and method of instruction: Lectures, presentations, reading

Course/Module Content:

1. The neurological examination
2. Diagnostic methods in neurology
3. Stroke
4. Traumatic Brain Damage
5. Epilepsy
6. Demielinative disorders (Multiple sclerosis)
7. Dementias (Alzheimer disease, Fronto-temporal dementias)
8. Tumors of the central nervous system
9. Movement disorders (Parkinson's disease and Huntington's disease)
10. Amyotropic Lateral Sclerosis
11. Infections of the nervous system
12. Prion diseases

Required Reading:

Online chapters are linked through the moodle website

Additional Reading Material:

Sontheimer, H. (2015) Diseases of the nervous system. London: Elsevier/Academic Press

Course/Module evaluation:

End of year written/oral examination 100 %
Presentation 0 %
Participation in Tutorials 0 %
Project work 0 %
Assignments 0 %
Reports 0 %
Research project 0 %
Quizzes 0 %
Other 0 %

Additional information: