



אוניברסיטת בן-גוריון בנגב
Ben-Gurion University of the Negev
The Department of Foreign Literatures and Linguistics

Fall semester
2021-2022

Course title: Introduction to Cognitive Neuroscience

Course number: 0-132-1-1651

Lecturer: Dorit Ben Shalom

Office hours: Tue 12:00 -13:00 (by appointment)

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Course objectives (מטרת הקורס):

Basic brain anatomy and physiology, some basic principles of cognitive psychology, and the different imaging methods that are used to study brain structure and function: Properties of Neurons, Neuronal Signaling, The Cortex, The Subcortex, Methods in Neurophysiology, Methods in Cognitive Psychology, .Methods in Neurology, Methods in Neuropsychology, Neuroimaging1, Neuroimaging2

Course program (תכנית הקורס):

שבוע	תאריך	פרק	קרא לפני השיעור
1		Introduction	
2		Properties of Neurons	pp. 25-29
3		Neuronal Signaling	pp. 31, 34-35
4		The Cortex	pp. 43, 52-54
5		The Subcortex	pp. 46-51
6		Midterm Exam	all of the above
7		Methods in Neurophysiology	pp. 90-91, 97, 101
8		Methods in Cognitive Psychology	pp. 97, 77
9		Methods in Neurology	pp. 80-82
10		Methods in Neuropsychology	pp. 87, 120
11		Neuroimaging1	pp. 94, 101, 103
12		Neuroimaging2	pp. 72, 105, 122
13		Review Session	

Course requirements and grading:

Attendance:	% 0	required
Mid-term:	% 20	
Papers:	% 0	
Presentations:	% 0	
Final exam:	% 80	

There are two obligatory pass/fail statistics quizzes.

You need to pass both of them and the final exam
in order to pass the course

Reading List:

Gazzaniga, M. S. , Ivry, R. B. & Mangun, G. R (2018).
Cognitive Neuroscience. 5th Edition. W. W. Norton.