



Course program and reading list

Semester 1 Year 2024

School: Baruch Ivcher School of Psychology

Neurobiological basis of Psychopathology and Treatment

Lecturer:

Dr. Rany Abend rabend@runi.ac.il

Course No.:	Course Type :	Weekly Hours :	Credit:
3908	Elective	2	2

Course Requirements :	Group Code :	Language:
Final Paper	241390801	English

Prerequisites

Prerequisite:

8000 - Introduction To Psychology

 Course Description

Clinical neuroscience is an emerging new field of research that integrates clinical perspectives and neuroscience methods to characterize the neurobiological bases of psychopathology and guide the development of novel treatments. For example, research in this field attempts to understand how clinical symptoms of anxiety and depression are generated by aberrant brain function, such as excessive amygdala responses, and how this knowledge could help us predict who will respond better to existing treatments and who would benefit from new therapeutic approaches, such as brain stimulation or psychedelics.

In this course, we will first review some background on clinical neuroscience and relevant research methods. Then, throughout the semester, the students will present papers on a

broad range of selected topics pertaining to the clinical neuroscience of psychopathology and treatment, and we will discuss these papers together. Through this course, the students will be exposed to a wide breadth of advanced, current clinical neuroscience research.



Course Goals

The primary aim of this course is to expose students to a broad range of topics in clinical neuroscience research. Further, the course will provide an important opportunity for improving science comprehension, communication, and presentation skills.



Grading

- Paper presentation (80%)
 - Paper summary (20%)
 - Attendance is very much encouraged
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Reading List

Please see course website.