



Course program and reading list

Semester 0 Year 2023

School: Baruch Ivcher School of Psychology

Brain and Mind research seminar

Lecturer:

Dr. Limor Shtoots slimor@runi.ac.il

Teaching Assistant:

Dr. Limor Shtoots slimor@runi.ac.il

Course No.:	Course Type :	Weekly Hours :	Credit:
8149	Seminar	4	4

Course Requirements :	Group Code :	Language:
Final Paper	230814901	English

Prerequisites

Prerequisite:

- 8000 - Introduction To Psychology
- 8014 - Research and Measurement Methods
- 8910 - Introduction To Statistics A
- 8911 - Introduction To Statistics B
- 8924 - Multivariate Statistics A
- 8925 - Multivariate Statistics B
- 8935 - Biological Basis of Behavior A
- 8936 - Cognitive Processes A sensation and perception
- 8937 - Biological Basis of Behavior B

Students who took one of the courses listed below will not be allowed to register to the course Brain and Mind research seminar

(8149):

8910 – Introduction To Statistics A



Course Description

This two year program provides outstanding undergraduate psychology students with the opportunity to explore the relationship between mind and body, and to participate in ground-breaking research. The “Brain and Mind” program takes place in RU laboratories and in Sagol Neuroscience Center of Sheba Medical Center at Tel Hashomer.



Course Goals

During the 1st year of the program, participants acquire methodical research skills in neuroscience or neuropsychology (EEG, eye-tracking, physiological markers, MRI, animal behavior, sleep studies, neuropsychological testing, psycho-pharmacology, programming and analysis in Matlab, E-prime, etc.) (instead of Guided Research course – 2 academic credits).

During the 2nd year of the program, students commit 14 hours weekly to participate in a research project under the supervision of senior researchers, earning 4 academic credits instead of Psychological Skills and Field Experience, and 4 academic credits in fulfillment of Research Seminar.



Grading

Grade Calculation for 2 academic credits (1st year in the program) and 4 academic credits (2nd year in the program):

50% Supervisor evaluation (see the “progress report” file on Moodle for the parameters by which you will be evaluated by your supervisor).

50% Head of program evaluation (Limor):

- Attending the “Brain & Mind” weekly meetings as scheduled – **full attendance is mandatory!**

- **Actively participating in class discussions – no phones! no laptops! Be present in your body, brain & mind...**

- Submitting 2-3 (1st year in the program) / 5-6 (2nd year in the program) paper summaries + abstract for a future study, by the end of the 1st semester each year

- Submitting a progress report (1st year)

- Submitting a work plan at the beginning of your 2nd year in the program
- Presenting your work in English

Grade Calculation for 4 academic credits - Research Seminar (2nd year in the program):

- Submitting a research seminar (2nd year), by the end of the 2nd semester. Evaluated and graded by your supervisor (Reichman University students) or Limor (Tel-Hashomer students).
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Lecturer Office Hours

By appointment through e-mail: slimor@idc.ac.il



Reading List

Will be provided to each student by the lab's supervisor.