



Course program and reading list

Semester 1 Year 2024

School: Baruch Ivcher School of Psychology

Probability

Lecturer:

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Teaching Assistant:

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Course No.:	Course Type :	Weekly Hours :	Credit:
8054	Lecture	2	1

Course Requirements :	Group Code :	Language:
Final Exam	241805411	English



Course Description

The course covers basic concepts in probability theory, such as conditional probability, combinatorial analysis and random variables.

Week	Subjects
1-3	Basic concepts in probability, union, intersection, mutually exclusive events, independent events
4-6	Intersection of dependent events, conditional probability, probability tables and probability trees
7-8	Combinatorial analysis: permutations, combinations

9-10	Random variables: expected value, variance
11-12	Consolidation



Course Goals

The course is designed to provide the students with the theoretical background for future statistics courses.



Grading

* Final exam (70% of final grade).

* Homework (30% of final grade for submitting at least 9 out of 11 HW assignments).



Lecturer Office Hours

Wednesday at 13:00 upon request.



Additional Notes

*Students are required to bring calculators to class.



Reading List

None.