The Department of Mathematics

2021–22–A term

Course Name Introduction to Probability and Statistics A

Course Number 201.1.9091

Course web page
    https://www.math.bgu.ac.il//en/teaching/fall2022/courses/introduction-to-probabi

Lecturer Dr. Luba Sapir, `<lsapir@post.bgu.ac.il>`, Office -109

Office Hours https://www.math.bgu.ac.il/en/teaching/hours

Abstract

Requirements and grading[1]

Course topics

(1) Probability space.(2) Conditional probability, independent events, Bayes's theorem, complete probabilities.(3) Random discrete variable, discrete distributions: unfiorm, binomial, geometric, hypergeometric, negative binomial, Poisson.(4) Random continuos variable, continuos distributions: unfiorm, exponential, normal.(5) Random discrete two dimensional variable, independence of variables.(6) Mean, variance, correlation coefficient.(7) Chebyshev inequalitiy, large numbers law.(8) Central Limit Theorem, normal approximation.

---

[1]Information may change during the first two weeks of the term. Please consult the webpage for updates