

The Department of Mathematics

2023–24–B term

Course Name Prodability and Statistics For Software Engineering

Course Number 201.1.2381

Course web page

<https://math.bgu.ac.il/en/teaching/spring2024/courses/prodability-and-statistic>

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

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

Abstract

Requirements and grading¹

Course topics

(1 Probability space (2 Law of total probability (3 Conditional probability, independent events (4 Bayes' law (5 Discrete random variables. Discrete distributions: uniform, Bernoulli, binomial, geometric, Poisson (6 Continuous random variable. Continuous distributions: uniform, exponential, normal (7 Discrete two-dimensional joint random variables (8 Independence of random variables (9 Expectation (10 Variance, covariance, correlation coefficient

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