

The Department of Mathematics

2025–26–B term

Course Name Prodability and Statistics For Software Engineering

Course Number 214.1.2381

Course web page

<https://math.bgu.ac.il/en/teaching/spring2026/courses/prodability-and-statistic>

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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