The Department of Mathematics
2021–22–B term

Course Name  Discrete Mathematics for Data Engineers

Course Number  201.1.9111

Course web page  https://www.math.bgu.ac.il//en/teaching/spring2022/courses/discrete-mathematics-for-data-engineers

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

Abstract

Requirements and grading

Course topics


Part B: Finite and infinite sets. The notion of cardinality. Countable sets. Cantor’s theorem on the power set of a set.


Part D: Graph Theory. Graphs, examples, basic facts, vertex degrees, representing a graph, neighborhood matrices, connected components, Euler graphs, bipartite graphs, matching in bipartite graphs, Hall’s marriage theorem, graph colorings.

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