The Department of Mathematics
2022–23–A term

Course Name  Linear Algebra for Electrical Engineering 1
Course Number  201.1.9511
Course web page  https://www.math.bgu.ac.il/en/teaching/fall2023/courses/linalgee
Lecturer  Dr. Dennis Gulko, <gulkod@post.bgu.ac.il>, Office
Office Hours  https://www.math.bgu.ac.il/en/teaching/hours

Abstract

Requirements and grading

Course topics

1. Fields: the definition of a field, complex numbers.

2. Linear equations: elementary operations, row reduction, homogeneous and non-homogeneous equations, parametrization of solutions.


4. Matrix algebra: matrix addition and multiplication, elementary operations, the inverse matrix, the determinant and Cramer’s law. Linear transformations: examples, kernel and image, matrix representation.

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