The Department of Mathematics
2020–21–B 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/spring2021/courses/linalgee
Lecturer  Prof. Mikhail Muzychuk, <muzychuk@bgu.ac.il>, Office 305
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.

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