The Department of Mathematics
2019–20–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/fall2020/courses/linear-algebra-for-electrical-engineering-1
Office Hours  https://www.math.bgu.ac.il/en/teaching/hours

Requirements and grading

1 Fields: the definition of a field, complex numbers. 2. Linear equations: elementary operations, row reduction, homogeneous and non-homogeneous equations, parametrization of solutions. 3. Vector spaces: examplex, subspaces, linear independence, bases, dimension. 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.

Course topics

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