Kafer El-Sheikh University Faculty OF Science Mathematics Department

Examiner : Prof. Dr. Laila Rasheed



Second Semester: 2019-2020 Third Level (Mathematics) Linear Algebra (2)

## Please search on one of the following topics: تناول بالبحث احد الموضوعات التالية

- 1- Inner product vector spaces.
- 2- Orthogonal set and bases.
- 3- Eigenvalues and eigenvectors.
- 4- Diagonalization of matrices.
- 5- Cauch-shwarz Inequality.
- 6- Scalar and vector product of four vectors.
- 7- Reciprocal system of vectors.