Linear algebra 261 (MAT 261)

Qualification	Undergraduate
Faculty	Faculty of Natural and Agricultural Sciences
Module credits	11.00
Prerequisites	MAT 152
Contact time	2 tutorials per week, 2 lectures per week
Language of tuition	Module is presented in English
Academic organisation	Mathematics and Applied Maths
Period of presentation	Semester 2

Module content

Vector spaces: Vector spaces and subspaces, linear independence, basis and dimension, coordinate vectors, inner product spaces. Linear transformations: Algebra of linear transformations, kernel and image, matrix of a general linear transformation, change of basis.
Eigenvalues and eigenvectors, diagonalization.

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