

University of Pretoria Yearbook 2019

Linear algebra 211 (WTW 211)

Qualification Undergraduate

Faculty Faculty of Natural and Agricultural Sciences

Module credits 12.00

Programmes BCom

BCom Econometrics

BCom Statistics

BEd Senior Phase and Further Education and Training Teaching

BSc Actuarial and Financial Mathematics

BSc Applied Mathematics

BSc Chemistry

BSc Engineering and Environmental Geology

BSc Geology

BSc Mathematical Statistics

BSc Mathematics

BSc Meteorology

BSc Physics

Service modules Faculty of Engineering, Built Environment and Information Technology

Faculty of Education

Faculty of Economic and Management Sciences

Prerequisites WTW 124

Contact time 2 lectures per week, 1 tutorial per week

Language of tuition Module is presented in English

Department Mathematics and Applied Mathematics

Period of presentation Semester 1

Module content

This is an introduction to linear algebra on \mathbb{R}^n . Matrices and linear equations, linear combinations and spans, linear independence, subspaces, basis and dimension, eigenvalues, eigenvectors, similarity and diagonalisation of matrices, linear transformations.

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