



# University of Pretoria Yearbook 2020

## Linear algebra 211 (WTW 211)

**Qualification** Undergraduate

**Faculty** Faculty of Natural and Agricultural Sciences

**Module credits** 12.00

**Programmes** BCom

BCom Econometrics

BCom Statistics

BCom Statistics and Data Science

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** 1 tutorial per week, 2 lectures 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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