

University of Pretoria Yearbook 2017

Linear algebra 221 (WTW 221)

Qualification Undergraduate

Faculty [Faculty of Natural and Agricultural Sciences](#)

Module credits 12.00

Programmes [BCom](#)

[BCom Statistics](#)

[BSc Computer Science](#)

[BSc Actuarial and Financial Mathematics](#)

[BSc Applied Mathematics](#)

[BSc Chemistry](#)

[BSc Engineering and Environmental Geology](#)

[BSc Geology](#)

[BSc Mathematical Statistics](#)

[BSc Mathematics](#)

[BSc Physics](#)

Service modules Faculty of Education

Faculty of Economic and Management Sciences

Prerequisites WTW 211

Contact time 1 tutorial per week, 2 lectures per week

Language of tuition Separate classes for Afrikaans and English

Academic organisation Mathematics and Applied Maths

Period of presentation Semester 2

Module content

Abstract vector spaces, change of basis, matrix representation of linear transformations, orthogonality, diagonalisability of symmetric matrices, some applications.

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