



University of Pretoria Yearbook 2023

Linear algebra 221 (WTW 221)

Qualification	Undergraduate
Faculty	Faculty of Natural and Agricultural Sciences
Module credits	12.00
NQF Level	06
Programmes	BCom BCom <i>Statistics</i> BSc (Actuarial and Financial Mathematics) BSc (Applied Mathematics) BSc (Chemistry) BSc (Engineering and Environmental Geology) BSc (Geography) <i>Geography and Environmental Science</i> BSc (Geology) BSc (Mathematical Statistics) BSc (Mathematics) BSc (Physics)
Service modules	Faculty of Engineering, Built Environment and Information Technology Faculty of Education Faculty of Economic and Management Sciences
Prerequisites	WTW 211 and WTW 218
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 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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