



# University of Pretoria Yearbook 2018

## Multivariate analysis 720 (MVA 720)

<b>Qualification</b>	Postgraduate
<b>Faculty</b>	<a href="#">Faculty of Economic and Management Sciences</a>
<b>Module credits</b>	15.00
<b>Programmes</b>	<a href="#">BComHons Mathematical Statistics</a> <a href="#">BScHons Financial Engineering</a> <a href="#">BScHons Mathematical Statistics</a> <a href="#">BScHons Mathematics of Finance</a>
<b>Service modules</b>	Faculty of Health Sciences Faculty of Natural and Agricultural Sciences
<b>Prerequisites</b>	MVA 710
<b>Contact time</b>	1 lecture per week
<b>Language of tuition</b>	Module is presented in English
<b>Department</b>	Statistics
<b>Period of presentation</b>	Semester 2

### Module content

The matrix normal distribution, correlation structures and inference of covariance matrices. Discriminant analysis. Principal component analysis. The biplot. Multidimensional scaling. Exploratory factor analysis. Confirmatory Factor analysis and structural equation models.

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