# Multivariate analysis 720 (MVA 720)

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| **Qualification** | Postgraduate |
| **Faculty** | Faculty of Economic and Management Sciences |
| **Module credits** | 15.00 |
| **Programmes** | BComHons Mathematical Statistics |
| | BScHons Biostatistics |
| | BScHons Financial Engineering |
| | BScHons Mathematical Statistics |
| | BScHons Mathematics of Finance |
| **Service modules** | Faculty of Natural and Agricultural Sciences |
| **Prerequisites** | MVA 710 |
| **Contact time** | 1 lecture per week |
| **Language of tuition** | English |
| **Academic organisation** | Statistics |
| **Period of presentation** | 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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