# Mathematics 124 (WTW 124)

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| **Qualification** | Undergraduate |
| **Faculty** | Faculty of Natural and Agricultural Sciences |
| **Module credits** | 16.00 |
| **Programmes** | BCom Econometrics |
| | BCom Statistics |
| | BEd Senior Phase and Further Education and Training Teaching |
| | BSc Information Technology Information and Knowledge Systems |
| | BSc(Computer Science) Computer Science |
| | BSc Actuarial and Financial Mathematics |
| | BSc Applied Mathematics |
| | BSc Chemistry |
| | BSc Mathematical Statistics |
| | BSc Mathematics |
| | BSc Meteorology |
| | BSc Physics |
| **Prerequisites** | WTW 114 |
| **Contact time** | 4 lectures per week, 1 tutorial per week |
| **Language of tuition** | Both Afr and Eng |
| **Academic organisation** | Mathematics and Applied Maths |
| **Period of presentation** | Semester 2 |

**Module content**

*Students will not be credited for more than one of the following modules for their degree:
WTW 124, WTW 146, WTW 148 and WTW 164. This module serves as preparation for students majoring in Mathematics (including all students who intend to enrol for WTW 218, WTW 211 and WTW 220).

The vector space Rn, vector algebra with applications to lines and planes, matrix algebra, systems of linear equations, determinants. Complex numbers and factorisation of polynomials. Integration techniques and applications of integration. The formal definition of a limit. The fundamental theorem of Calculus and applications. Vector functions, polar curves and quadratic curves.

The information published here is subject to change and may be amended after the publication of this information. The General Regulations (G Regulations) apply to all faculties of the University of Pretoria. It is expected of students to familiarise themselves well with these regulations as well as with the information contained in the General Rules section. Ignorance concerning these regulations and rules will not be accepted as an excuse for any transgression.