



University of Pretoria Yearbook 2016

Calculus 114 (WTW 114)

Qualification Undergraduate

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

Module content *This module serves as preparation for students majoring in Mathematics (including all students who intend to enrol for WTW 218 and WTW 220). Students will not be credited for more than one of the following modules for their degree: WTW 114, WTW 158, WTW 134, WTW 165.
Functions, limits and continuity. Differential calculus of single variable functions, rate of change, graph sketching, applications. The mean value theorem, the rule of L'Hospital. Definite and indefinite integrals, evaluating definite integrals using anti-derivatives, the substitution rule.

Module credits 16.00

Programmes [BCom Econometrics](#)

[BCom Statistics](#)

[BEd Senior Phase and Further Education and Training Teaching](#)

[BIT Information Technology](#)

[BSc Information Technology Information and Knowledge Systems](#)

[BSc\(Computer Science\) Computer Science](#)

[BA Music Music](#)

[BSc Actuarial and Financial Mathematics](#)

[BSc Applied Mathematics](#)

[BSc Chemistry](#)

[BSc Mathematical Statistics](#)

[BSc Mathematics](#)

[BSc Meteorology](#)

[BSc Physics](#)

Service modules Faculty of Engineering, Built Environment and Information Technology

Faculty of Education

Faculty of Economic and Management Sciences

Faculty of Humanities

Prerequisites Refer to Regulation 1.2. Mathematics 60% Grade 12.

Contact time 1 tutorial per week, 4 lectures per week



Language of tuition Both Afr and Eng

Academic organisation Mathematics and Applied Maths

Period of presentation Semester 1

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 each student to familiarise himself or herself 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.