



University of Pretoria Yearbook 2021

Calculus 218 (WTW 218)

Qualification Undergraduate

Faculty Faculty of Natural and Agricultural Sciences

Module credits 12.00

NQF Level 06

Programmes BCom

BCom Econometrics

BCom Statistics and Data Science

BEd Senior Phase and Further Education and Training Teaching

BSc Computer Science

BSc Actuarial and Financial Mathematics

BSc Applied Mathematics

BSc Chemistry

BSc Engineering and Environmental Geology

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 114 and WTW 124

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 1

Module content

Calculus of multivariable functions, directional derivatives. Extrema and Lagrange multipliers. Multiple integrals, polar, cylindrical and spherical coordinates.



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