

## University of Pretoria Yearbook 2018

## Complex analysis 361 (MAT 361)

Qualification	Undergraduate
Faculty	Faculty of Natural and Agricultural Sciences
Module credits	15.00
Prerequisites	MAT 251 and MAT 262
Contact time	1 discussion class per week, 3 lectures per week
Language of tuition	Module is presented in English
Department	Mathematics and Applied Mathematics
Period of presentation	Semester 2
Module content	

Complex functions, Cauchy-Riemann equations, Cauchy's theorem and integral formulas. KMS states. Laurent series, residue theorem and application to calculating of integrals.

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