
University of Pretoria Yearbook 2017

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
Academic organisation	Mathematics and Applied Maths
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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