
University of Pretoria Yearbook 2016

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 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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