

MATH 466. HONOURS COMPLEX ANALYSIS.

Credits: 3

Offered by: Mathematics and Statistics (Faculty of Science)

This course is not offered this catalogue year.

Description

Functions of a complex variable, Cauchy-Riemann equations, Cauchy's theorem and its consequences. Uniform convergence on compacta. Taylor and Laurent series, open mapping theorem, Rouché's theorem and the argument principle. Calculus of residues. Fractional linear transformations and conformal mappings.

- Restriction: Not open to students who have taken or are taking MATH 366, MATH 249, MATH 316 and MATH 381.
- Prerequisite: MATH 255.
- Restriction: Not open to students who have taken or are taking MATH 366, MATH 249, MATH 316 and MATH 381.

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