

# MAT 5400: Complex Analysis

Algebra of complex numbers, analytic functions, Cauchy- Riemann equation, Laplace equations, conformal mapping, integrals of complex functions, Cauchy's theorem, power series, Taylor's theorem, Laurent's theorem, residues, entire functions.

**Credits:** 3.0

**Prerequisites:**

MAT 2500

MAT 2600

(MAT 2500 :D- and MAT 2600 :D-)

**Co-Requisites:**

**Program:** [Mathematics and Statistics](#)