

# MATH6303 - Theory of Complex Functions I

[MATH 6303](#) Theory of Complex Functions I (3 semester hours) Complex integration, Cauchy's theorem, calculus of residues, power series, entire functions, Riemann mapping theorems. Riemann surfaces, conformal mapping with applications. Prerequisite: Undergraduate analysis (e.g., [MATH 4301-2](#)). (3-0) Y