

## Math 655: Theory Functions of Complex Variables I

Complex numbers; analtic functions; complex integration; Cauchy's theorem and integral formula; Liouvilles's theorem; maximum modulus principles; Schwarz's lemma; sequences and series of analytic's functions; isolated singularities; and the residue theorem.

## 3 Credits

Instruction Type(s) • Lecture: Lecture for Math 655

## Subject Areas

Analysis and Functional Analysis

## **Related Areas**

- Algebra and Number Theory
- Geometry/Geometric Analysis
- Mathematics, General
- <u>Topology and Foundations</u>

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