

## 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
- <u>Geometry/Geometric Analysis</u>
- Mathematics, General
- Topology and Foundations

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