

## 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.

## 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
- Topology and Foundations

