

# Math 655: Theory Functions of Complex Variables I

## MATHEMATICS

Complex numbers; analytic functions; complex integration; Cauchy's theorem and integral formula; Liouville's theorem; maximum modulus principles; Schwarz's lemma; sequences and series of analytic 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](#)
- [Topology and Foundations](#)

