

# Math 555: Advanced Calculus I

## Mathematics

Suprema and infima on the real line; limits,  $\liminf$ , and  $\limsup$  of a sequence of reals; convergent sequences; Cauchy sequences; and series, absolute and conditional convergence of series.

3 Credits

### Prerequisites

- [Math 305: Foundations of Mathematics](#) (Minimum grade: C)
- Prerequisite: Junior standing (60 hr).

### Instruction Type(s)

- Lecture: Lecture for Math 555

### Subject Areas

- [Topology and Foundations](#)

### Related Areas

- [Algebra and Number Theory](#)
- [Analysis and Functional Analysis](#)
- [Geometry/Geometric Analysis](#)
- [Mathematics, General](#)

