

# Math 555: Advanced Calculus I

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)
- Prerequiste: Junior standing (60 hr).

## Instruction Type(s)

• Lecture: Lecture for Math 555

## **Subject Areas**

• <u>Topology and Foundations</u>

### **Related Areas**

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

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