

# Math 667: Functional Analysis I

## MATHEMATICS

Topological vector spaces (tvs); complete tvs; product and quotient tvs; separation theorems for convex sets; locally convex spaces; Krein-Milman theorem; linear operations; dual pairs and Mackey-Arens theorem; Alaoglu-Bourbaki theorem; and bornological and barreled spaces.

3 Credits

### Instruction Type(s)

- Lecture: Lecture for Math 667

### Subject Areas

- [Mathematics, General](#)

### Related Areas

- [Algebra and Number Theory](#)
- [Analysis and Functional Analysis](#)
- [Geometry/Geometric Analysis](#)
- [Topology and Foundations](#)

