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Introduction

This is going to be part of the notes for my Honors thesis independent study, which will be focused on amenability and C*-algebras. This section of notes will be focused on the essential results in functional analysis, starting from normed vector spaces, working our way up through C*-algebras.

The primary source for this section is going to be Timothy Rainone's *Functional Analysis-En Route to Operator Algebras*, which has not been published yet.

I do not claim any of this work to be original.