

MAT 5110 - Real Analysis I (4)

Lebesgue measure and integration, Borel sets, monotone functions and functions of bounded variation, L^p spaces, measure spaces and measurable functions, the Radon-Nikodym theorem, the Fubini theorems, applications.

Prerequisite(s): Graduate Standing.

Component(s): Lecture

Grading Basis: Graded Only

Repeat for Credit: May be taken only once

Course Category: Major Course