

# MATH 564. REAL ANALYSIS AND MEASURE THEORY.

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Credits: 4

Offered by: Mathematics and Statistics (Faculty of Science)

This course is not offered this catalogue year.

## Description

Abstract theory of measure and integration: Borel-Cantelli lemmas, regularity of measures, product measures, Fubini-Tonelli theorem, signed measures, Hahn and Jordan decompositions, Radon-Nikodym theorem, differentiation in  $\mathbb{R}^n$ .

- Fall
- Prerequisite(s): MATH 255

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