

1 Lecture 01

The topic of this course

- Lebesgue measure
- Lebesgue integral
- Differentiation and integral
- L^p spaces.

Some book recommendations

- Royden "Real Analysis" (Chapter 3->Chapter 6)
- Wheeden-Zygmund "Measure and Integral"
- Rudin "Real and Complex Analysis"

Consider a function $f : [a, b] \rightarrow$