Stroock, Daniel W.

A concise introduction to the theory of integration. 3rd ed. (English) Zbl 0912.28001
Boston, MA: Birkhäuser. xiv, 253 p. (1999).

See the reviews of the first (1990) and the second (1994) edition in Zbl 0729.28001 and Zbl 0826.28001, respectively.

The third edition contains in addition a chapter about Fourier analysis.

MSC:

28-01	Introductory exposition (textbooks, tutorial papers, etc.) pertaining to measure and integration
26-01	Introductory exposition (textbooks, tutorial papers, etc.) pertaining to real functions
42-01	Introductory exposition (textbooks, tutorial papers, etc.) pertaining to harmonic analysis on Euclidean spaces
26A42	Integrals of Riemann, Stieltjes and Lebesgue type
26B15	Integration of real functions of several variables: length, area, volume

Keywords:

textbook; Lebesgue integration; Lebesgue spaces; Lebesgue measure; surface measure; Radon-Nikodým theorem; Fourier analysis