School of Mathematics

Module MA2224 — Lebesgue integral
(SF Mathematics, SF Two-subject Moderatorship)

Lecturer: Professor Richard Timoney

Requirements/prerequisites: prerequisite: MA2223 (or 121)

Duration: Hilary term, 11 weeks

Number of lectures per week: 3 lectures including tutorials per week

Assessment: Tutorial work 15%.

End-of-year Examination: This module will be examined jointly with MA2223 in a 3-hour examination in Trinity term, except that those taking just one of the two modules will have a 2 hour examination.

Description: (Preliminary.) The basics of the theory of the Lebesgue integral and Lebesgue measure on the real line. Monotone and dominated convergence theorems.

See http://www.maths.tcd.ie/~richardt/2224 for additional information.

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