

**DEPARTMENT OF MATHEMATICS,
UNIVERSITY OF KARACHI,**

Course Outline

MATH 606: MEASURE THEORY - II

Course contents:

Integrable functions. Convergence and mean convergence. L spaces. Signed measure. Raydon-Nikodym theorem and derivatives. Haar measure.

Books Recommended:

1. Halmos, P. R., Measure Theory, Van Nostrand, Springer Pub., 1978.
2. Kestelman, H., Modern theories of Integration, Second Edition, Dover Pub., 1980.
3. Goffman, C. and Pedrick, G., First course in Functional Analysis, Prentice Hall, 1997.
4. Royden, H., Real Analysis, Third Edition, Prentice Hall, 1988.
5. Cohn, D. L., Measure Theory, Suffolk University, 1997