

Applied Mathematics 617

Analysis IV

Analysis in abstract spaces. Function spaces.

Course Hours: H(3-0)

Prerequisite(s): [Pure Mathematics 545](#).

Also known as: (formerly Pure Mathematics 617)

Syllabus

Topics

L^p -spaces and L^p spaces

Normed linear spaces, Hilbert spaces

Linear Functionals, Hahn-Banach Theorem

Operators, Spectra

Operators on Finite Dimensional Spaces

Spectral Theory in Infinite Dimensional Spaces

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91.09.03 as PMAT 617 (relabelled AMAT 617 04:07:01)
BB.II