MATH 5312 Functional Analysis I. Three semester hours.
This is the first course in Functional Analysis. Topics include: Topological vector spaces, Banach spaces, the open mapping and closed graph theorems, the Hahn-Banach theorem, duality and weak topologies. Prerequisite: MATH 5305, and knowledge equivalent to MATH 3310 Graduate standing and permission of instructor.

Justification: To make the prerequisite more specific for MATH 5312.

MATHEMATICS AND STATISTICS

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