

Functional Analysis

Syllabus

Prerequisites. Real Analysis I, Complex Analysis I, General Topology.

Course Description. Banach spaces, Hilbert space, bounded linear operators, locally convex spaces, weak topology, compact operators, Banach algebras, Gelfand transform, spectrum, self-adjoint and unitary operators.

There will be home work assignments.

Office hours: Tue, Th 10:15–11:00, A202.