PMATH 453/753 - FUNCTIONAL ANALYSIS

CAMILA SEHNEM

Course description for PMATH 453/PMATH 753

Banach and Hilbert spaces, bounded linear maps, Hahn-Banach theorem, open mapping theorem, closed graph theorem, topologies, nets, Hausdorff spaces, Tietze extension theorem, dual spaces, weak topologies, Tychonoff's theorem, Banach-Alaoglu theorem, reflexive spaces.