



MWF Period 6 (12:50-13:40) LIT 223

M5 W7 F5

None is specifically required; references will be suggested.

This course is intended to cover a variety of topics in functional analysis outside the range of the MAA6616/7 sequence. The main theme will be the study of linear operators: both the theory of single operators and the theory of operator algebras. However, we shall also pursue further individual topics, including the theory of integration introduced by Choquet and adopted by De Giorgi, and some of the theory of finite-dimensional normed vector spaces. Although material from the sequence MAA6616/7 is assumed, the fundamental principles of functional analysis (Hahn-Banach, Banach-Steinhaus, and category theorems) will be reviewed briefly for purposes of orientation.

Attendance is expected. Presentations will be expected. These presentations must be of a functional analytic nature, chosen in consultation with the instructor; they may develop topics introduced in the course; they may address topics of individual research. For additional information on policies and related matters, please see the pdf file "Policies plus" at the Files page.

