

Contents

Preface	v
Note to the reader	ix
Some terminology, notations and conventions used throughout the book	xi
PART ONE. GENERAL SPECTRAL THEORY	1
Chapter 1. General spectral theory	3
Notes and comments on Part One	39
PART TWO. RIESZ OPERATORS	43
Chapter 2. Compact operators	45
Chapter 3. Riesz operators	67
Notes and comments on Part Two	95
PART THREE. HERMITIAN OPERATORS	99
Chapter 4. Hermitian operators	101
Notes and comments on Part Three	113
PART FOUR. PRESPECTRAL OPERATORS	115
Chapter 5. Prespectral operators	117
Chapter 6. Spectral operators	159
Chapter 7. Normal operators	175
Chapter 8. Spectral operators on Hilbert space	188
Chapter 9. McCarthy's example	192
Chapter 10. Logarithms of prespectral operators	196
Chapter 11. Further properties of prespectral operators	215
Chapter 12. Restrictions of spectral operators	227
Chapter 13. Property (P) for normal operators	240
Chapter 14. Restrictions of prespectral operators	265
Notes and comments on Part Four	275

PART FIVE.	WELL-BOUNDED OPERATORS	283
Chapter 15.	General theory of well-bounded operators	285
Chapter 16.	Some special classes of well-bounded operators	309
Chapter 17.	The structure of well-bounded operators of type (B)	332
Chapter 18.	Well-bounded operators on Hilbert space	356
Chapter 19.	Relationships between well-bounded and prespectral operators	366
Chapter 20.	Logarithms of L^p translations	373
Notes and comments on Part Five		399
Bibliography and author index		403
Subject index		418
Index of symbols		421