

# Contents

Preface

## PART I - GENERAL THEORY

1	Introduction	3
2	Hilbert spaces of functions with values in a Hilbert space	12
3	The multiplication operator over function Hilbert spaces	22
4	The dual theory for conjugations	30
5	The dual theory for involutory domains	35
6	Scalar function Hilbert spaces	39
7	Inflations of scalar function Hilbert spaces	41
8	Norm-related function Hilbert spaces	50

## PART II - APPLICATIONS TO HOLOMORPHY

9	Holomorphic vector- and operator-valued functions	57
10	The Bergman spaces	76
11	The Hardy spaces	88
	Appendix	100
	References	106
	Index of symbols	108
	Subject index	110