Contents

Preface	ix
Commutative Algebra in the Cohomology of Groups Dave Benson	1
Modules and Cohomology over Group Algebras SRIKANTH IYENGAR	51
An Informal Introduction to Multiplier Ideals MANUEL BLICKLE AND ROBERT LAZARSFELD	87
Lectures on the Geometry of Syzygies DAVID EISENBUD, with a chapter by JESSICA SIDMAN	115
Commutative Algebra of n Points in the Plane Mark Haiman, with an appendix by Ezra Miller	153
Tight Closure Theory and Characteristic p Methods Melvin Hochster, with an appendix by Graham J. Leuschke	181
Monomial Ideals, Binomial Ideals, Polynomial Ideals Bernard Teissier	211
Some Facts About Canonical Subalgebra Bases Ana Bravo	247