

TABLE OF CONTENTS

	Page
CHAPTER 0. FOUNDATIONS	1
CHAPTER 1. COUNTING DEPTHS	12
CHAPTER 2. BASIC ELEMENT THEORY	26
CHAPTER 3. FUNDAMENTAL THEOREMS ON SYZYGIES	45
CHAPTER 4. SELECTED APPLICATIONS	64
CHAPTER 5. FILTRATIONS OF MODULES BASED ON CHOMOLOGY	76
CHAPTER 6. VECTOR BUNDLES ON THE PUNCTURED SPECTRUM OF A REGULAR LOCAL RING	92
APPENDIX. SOME CONSTRUCTIONS OF VECTOR BUNDLES	113
REFERENCES	118
INDEX	123