

Contents

<i>Preface</i>	v
1. Some Fundamental Concepts and Definitions	1
2. Ideals and Homomorphisms	19
3. Unique Factorization Domains, Euclidean Domains and Polynomial Rings	45
4. Rings of Fractions	56
5. Modules and Vector Spaces	63
6. Noetherian and Artinian Modules and Rings	103
7. Composition Series and Krull-Schmidt Theorem	129
8. Theory of Algebraic Extensions of Fields	137
9. Normal and Separable Extensions	167
10. Fundamental Theorem of Galois Theory	180
11. Some Applications of Galois Theory	189
12. Methods of Matrices	207
<i>Index</i>	233