## Contents

1	Introduction	2
	1.1 Definitions and examples of Rings and Group Rings	2
	1.2 Ring Homomorphisms and Ideals	11
	1.3 Isomorphism Theorems	15
2	Ideals And Homomorphisms of $RG$	18
3	Group Ring Representations	27
4	Decomposition of $RG$	35
A	Extra's	52
	A.1 Homework 1 + Solutions	52
	A.2 Homework 2 + Solutions	54
	A.3 Autumn Exam + Solutions	
	Bibliography	