

# 강 의 계 획 서

교과목 정 보	교과목명	Modern Algebra 1		수업년도(학기)	2018-1	
		<input type="checkbox"/> 2학점 <input checked="" type="checkbox"/> 3학점				
	소 속	Department of Applied Mathematics		성 명	Cedric Beny	
	강의요일	Tuesday & Thursday		강의시간	09:00~10:30	
	강의장소	207-310				
교과목 개 요	Group theory is the study of revertible transformations and their compositions. It is a basic tool useful in almost all of mathematics.					
수업목표	Through the teaching of elementary group theory, this class will familiarize students with set theoretic axiomatization and abstract algebra.					
교 재	교재명		저자		출판사	
평가방법	중간(%)	기말(%)	출석(%)	과제(%)	수업참여도(%)	기타(%)
	30	40	0	30	0	0

주 강 계  목 표	주차	Contents	Exam & 과제
	Week 1	Preliminaries	
	Week 2	Integers	
	Week 3	Groups	
	Week 4	Cyclic Groups	
	Week 5	Permutation Groups	
	Week 6	Cosets and Lagrange's Theorem	
	Week 7	Algebraic Coding Theory	
	Week 8	Midterm exam	
	Week 9	Algebraic Coding Theory	
	Week 10	Isomorphisms	
	Week 11	Normal Subgroups and Factor Groups	
	Week 12	Homomorphisms	
	Week 13	Matrix Groups and Symmetry	
	Week 14	The Structure of Groups	
Week 15	The Structure of Groups		