

Syllabus

Topics in Algebra II

Course Name	Course type (credit/hours)		전선(3/3)		Course code	
	Target students Division/major/grade		수학과/		Opening semester	
	Class time and classroom		화A(팔621) 금A(팔621)(팔621)			
Reference to this course	Related basic courses		선형대수, 현대대수			
	Recommended concurrent courses					
	Related advanced courses					
Instructor	Name (title/division)		조수진			
	Office Room Number	팔달관617호	Office phone Number	2557	e-mail	chosj@ajou.ac.kr
	Office hours		Homepage address			
Teaching Assistant	Name (title/division)					
	Office Room Number		Office phone Number		e-mail	

1. Introduction

2. Course Objectives

3. Class types and activities

4. Teaching Method

5. Knowledge and ability required for taking this course

6. Method of Evaluation

Evaluation Item	The Number of Times	Evaluation Proportion	Remarks
Attendance			
midterm exam	1	25	
final exam	1	30	
quiz			
presentation	2	20	
discussion			
homework	4	25	
etc			

7. Textbooks

Main/Sub	Title	Writer	Publisher	Publication year
주교재	TheSymmetricGroup;Representations,CombinatorialAlgorithms,andSymmetricFunctions	Sagan	Springer	2000
부교재	선형대수와 군	이인석	서울대학교출판부	
부교재	Enumerative Combinatorics 2	Stanley	Cambridge University Press	1999

8. Lecture Schedule

Week	Lecture contents	Lesson type	Remark
1	I.GroupRepresentations	강의	
2	I.GroupRepresentations	강의	
3	I.GroupRepresentations	강의	
4	I.GroupRepresentations	강의	
5	I.GroupRepresentations	강의	
6	I.GroupRepresentations	강의	
7	II.Representatios of the Symmetric Group	강의	
8		중간고사	
9	II.Representatios of the Symmetric Group	강의	
10	II.Representatios of the Symmetric Group	강의	
11	II.Representatios of the Symmetric Group	강의	
12	III.Combinatorial Algorithms	발표	
13	III.Combinatorial Algorithms	발표	
14	III.Combinatorial Algorithms	발표	
15	III.Combinatorial Algorithms	발표	
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9. Others

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