

Organic Chemistry1

Course Name	Course section (credit/hours)	Required course(3/3)			course code	G013
	course item				course component	
	Target students Division/major/grade				opening semester	2021 1ST SEMESTER
	Class time and classroom	Mon C(WH507)Wed C(WH507)			English Grade	A(100%English)
Reference to this course	Credit compositon	Theory(0) + Design(0) + Practice(0)				
	Prerequisite courses					
	Related basic courses	화학1, 화학2, 화학				
	Recommanded concurrent courses					
	Related advanced course	유기화학2, 중급유기화학, 유기합성화학, 유기금속화학				
Instructor	Name (title/division)		In-Hwan Lee(Assistant Professor, Chemistry)			
	Office Room Number	원천관215-1	Extension Number	2690	e-mail	ilee@ajou.ac.kr
	Office hour	Email 요청		Homepage address	https://in-hwan.wixsite.com/in-hwan	
Teaching Assistant	Name (title/division)					
	Office Room Number		Office phone Number		e-mail	

1. Course Introduction

2. Course Objectives & course outcome

유기 화합물의 정의, 명명법, 구조 및 결합을 우선적으로 이해한다.

또한 기본적인 작용기와 입체적 성질 등을 논의하고 유기 반응의 기초적인 개념들을 이해한다.

이에 따라 구체적인 작용기의 성질과 반응 메커니즘에 대한 기본 개념을 확립한다.

3. Class types and activities

4. Teaching Method

<input checked="" type="checkbox"/> lecture	<input type="checkbox"/> discussion and debate
<input checked="" type="checkbox"/> team project(presentation and case studies)	<input type="checkbox"/> experiments(role-playing,etc)
<input type="checkbox"/> designing and production	<input type="checkbox"/> on-site learning(on-site training)
<input type="checkbox"/> others	

5. Support Systems in Use

<input checked="" type="checkbox"/> AjouBb	<input type="checkbox"/> automatic recording system	<input type="checkbox"/> web-based assignment
<input checked="" type="checkbox"/> cyber lecture	<input type="checkbox"/> online content	
<input type="checkbox"/> class behavior analyzing system	<input type="checkbox"/> others	

6. Teaching Tools

<input type="checkbox"/> PBL(Problem Based Learning)	<input type="checkbox"/> CBL(Case Based Learning)	<input type="checkbox"/> TBL(Team Based Learning)
<input type="checkbox"/> UR(Undergraduate Research)	<input type="checkbox"/> FL(Flipped Learning)	<input type="checkbox"/> DSAL(Data Sciencd Active Learning)
<input type="checkbox"/> others		

7. Evaluation method of course outcome

Evaluation Item	The Number of Times	Evaluation Proportion	Remarks
Attendance			
midterm exam	1회	45	
final exam	1회	45	
quiz			

7. Evaluation method of course outcome

Evaluation Item	The Number of Times	Evaluation Proportion	Remarks
presentation			
discussion			
homework		10	각 챕터의 연습문제 중 일부
etc			
study hours	10시간		

8. Textbook and Reference material

Main/Sub	Title	Writer	Publisher	Publication year
Main	Organic Chemistry, 6th Ed.	Janice Gorzynski Smith	McGraw Hill	

9. Class system and Class shedule

<p>큰 틀에서 아래와 같은 수업이 진행된다.</p> <p>(1) 개념적립: 구조-결합, 산-염기, 유기분자-작용기</p> <p>(2) 반응이해: 치환-제거</p> <p>(3) 작용기이해: 성질-응용</p>

< Schedule >

* language : K-korean, E-English

Weeks	Title of lecture	language	time distribution(minutes)			Teaching Method	evaluation method
			theory	design	experiment practice		
1	Chapter 1. Structure and Bonding		3			강의	
2	Chapter 2. Acids and Bases		3			강의	
3	Chapter 3. Introduction to Organic Molecules and Functional Groups		3			강의	
4	Chapter 4. Alkanes		3			강의	
5	Chapter 4. Alkanes Chapter 5. Stereochemistry		3			강의	
6	Chapter 5. Stereochemistry		3			강의	

< Schedule >

* language : K-korean, E-English

Weeks	Title of lecture	language	time distribution(minutes)			Teaching Method	evaluation method
			theory	design	experiment practice		
7	Chapter 6. Understanding Organic Reactions		3			강의	
8	중간고사		3			시험	
9	Chapter 7. Alkyl Halides and Nucleophilic Substitution-I		3			강의	
10	Chapter 7. Alkyl Halides and Nucleophilic Substitution-II		3			강의	
11	Chapter 8. Alkyl Halides and Elimination Reactions-I		3			강의	
12	Chapter 8. Alkyl Halides and Elimination Reactions-II		3			강의	
13	Chapter 9. Alcohols, Ethers, and Epoxides-I		3			강의	
14	Chapter 9. Alcohols, Ethers, and Epoxides-II		3			강의	
15	발표		3			발표	
16	기말고사		3			시험	

10. Contribution index of the course for attaining ABEEK program outcomes

course outcome	contribution scale
No Data	

11. Analysis of improved matters for the previous semester

13. Reference items

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