

General Info

Objectives of the Course

To teach the basics of organic chemistry

Course Contents

Chemical bonds, functional groups and nomenclature, synthesis of some organic compounds, the reactions of some functional groups, stereochemistry, acids and bases.

Recommended or Required Reading

Solomons, T. G., & Fryhle, C. B. (2002). Organik Kimya (Türkçe çevirisi). Gürol Okay & Yılmaz Yıldırım, Literatür Yayınları. Projector

Planned Learning Activities and Teaching Methods

Expression

Dersi Veren Öğretim Elemanları

Prof. Dr. Fatma Karıpcin

Program Outcomes

1. Able to defines the functional groups
2. Able to name the simple organic compounds according to IUPAC
3. Able to determine the types of organic reactions.
4. Able to write the products of organic reactions.
5. Able to know the groups of organic compounds and their general properties.

Weekly Contents

Order	PreparationInfo	Laboratory	TeachingMethods	Theoretical	Practise
1				Types of chemical bonds and carbon compounds	
2				Molecular structure of organic compounds, bond types, multiple bonds	
3				Types of Organic Reactions	
4				Organic compound classes, functional groups	
5				Alkanes, alkenes, alkynes, nomenclature	
6				Alkyl halides, reactions	
7				Stereochemistry of organic compounds	
8				Arasınan	
9				Alcohols, ethers, substitution and elimination reactions	
10				aldehydes and ketones, reactions of carbonyl compounds	
11				Carboxylic acid derivatives and their reactions	
12				Aromatic compounds, aromaticity conditions	
13				Types and reactions of aromatic compounds	
14				Carbohydrates, amino acids, proteins	
15				General methods of purification and analysis of organic compounds	
16				Final exam	

Workload

Activities	Number	PLEASE SELECT TWO DISTINCT LANGUAGES
Vize	1	1,00
Final	1	1,00
Ders Öncesi Bireysel Çalışma	14	1,00
Ders Sonrası Bireysel Çalışma	14	1,00
Ara Sınav Hazırlık	4	2,00
Final Sınavı Hazırlık	5	3,00
Derse Katılım	15	2,00

Assesments

Activities	Weight (%)
Ara Sınav	40,00
Final	60,00