

Course Title	Code	Semester	T+A	Credit	ECTS
Organic Chemistry-II	0804426	4	2+0	2	3

Precondition Courses	
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Course Type	Türkçe
Course Coordinator	Zorunlu
Lecturer	
Course Assistants	Prof. Dr. Mustafa DEĞİRMENÇİ
Course Objectives	
Learning Outcomes and Sub-skills of the Course	This course gives information about the basic concepts of Organic chemistry to the second year students of Biology department and tells them the importance of Organic chemistry in their daily life.
Course Contents	<p>At the end of this course the student;</p> <ol style="list-style-type: none"> will recognize Alcohol, ether and phenol group compounds and understand their differences. recognize the carbonyl group compounds and learn the physical and chemical properties of these compounds will recognize the biological importances of carbohydrates, lipids, amino acids, proteins and nucleic acids and their functions and reactions.
Course Type	Alkoller Eterler ve Fenoller, Aldehitler ve Ketonlar, Karboksilik Asitler, Karboksilik Asit Türevleri, Aminler, Karbonhidratlar, Aminoasitler Peptitler ve Proteinler, Lipitler, Nükleik Asitler, Spektroskopi. Alcohols Ethers and Phenols, Aldehydes and Ketones, Carboxylic Acids, Carboxylic Acid Derivatives, Amines, Carbohydrates, Aminoacids Peptides and Proteins, Lipids, Nucleic Acids, Spectroscopy.

WEEKS	TOPICS
1	Alcohols
2	Ethers
3	Phenols
4	Aldehydes and Ketones
5	Aldehydes and Ketones
6	Carboxylic acids
7	Midterm Exam
8	Carboxylic Acid Derivatives
9	Amines
10	Carbohydrates
11	Amino Acids Peptides and Proteins
12	Lipids
13	Nucleic Acids
14	Spectroscopy

GENERAL COMPETENCES
To be able to recognize the compounds containing alcohol, ether, phenol and carbonyl group and to understand their reactions, to use properly the basic concepts related to bioorganic chemistry, to understand the properties and functions of carbohydrates, lipids,

amino acids and proteins.

REFERENCES

- McMurry, J., 1992, Organic Chemistry
- T. W. Graham Solomons, Organic Chemistry, Sixth Edition
- Okay, G., Yıldırım, Y., 2002, Organik Kimya (Çeviri)
- Yıldırım, T (Editör)., 2011, Organik Kimya

RATING SYSTEM

Midterm Exam: %40

Final Exam : %60

Makeup exam: