

Course Title	Code	Semester	T+A	Credit	ECTS
Organic Chemistry-I	0804348	3	2+0	2	3

Precondition Courses	
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Course Language	Türkçe
Course Type	Zorunlu
Course Coordinator	
Lecturer	Prof. Dr. Mustafa DEĞİRMENÇİ
Course Assistants	
Course Objectives	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.
Learning Outcomes and Sub-skills of the Course	<p>At the end of this course the student;</p> <ol style="list-style-type: none"> will be able to learn and apply concepts of atomic structure, chemical bond and hybridization. Will be able to draw the chemical structures and chemical structure models of organic compounds. Learns the types of organic reaction and get ideas about organic reaction mechanisms to be seen later. Learn the classification of organic substances, recognize saturated and unsaturated organic compounds and understand the differences between them.
Course Contents	Introduction to Organic Chemistry: Chemical Bonding, Alkanes and Cycloalkanes, Introduction to Organic Chemical Reactions: Alcohols and Alkyl Halides, Alkenes and Alkynes-I: Structures and Their Synthesis, Alkenes and Alkynes-II: Reactions, Aromatic Compounds, Stereochemistry, Nucleophilic Substitution, Free Radicals

WEEKS	TOPICS
1	Introduction to Organic Chemistry
2	Chemical Bonding
3	Chemical Bonding
4	Alkanes and Cycloalkanes
5	Introduction to Organic Chemical Reactions
6	Alcohols and Alkyl Halides
7	Midterm Exam
8	Alcohols and Alkyl Halides
9	Alkenes and Alkynes-I: Structures and Their Synthesis
10	Alkenes and Alkynes-II: Reactions
11	Aromatic Compounds
12	Aromatic Compounds
13	Stereochemistry,
14	Nucleophilic Substitution, Free Radicals

GENERAL COMPETENCES
<p>To be able to use properly and correctly basic concepts about organic chemistry, Drawing structural formulas of chemical compounds,</p> <p>To recognize the structures of Alkane, alkene, alkyne and aromatic compounds which are the basic subjects of organic chemistry</p> <p>To be able to learn the naming of organic compounds.</p>

REFERENCES

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| <ul style="list-style-type: none">- 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 |
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RATING SYSTEM

<p>Midterm Exam: %40 Final Exam : %60 Makeup exam:</p>
