

ORGANIC CHEMISTRY

Faculty: Faculty of Natural Sciences

Study program: Bachelor in Biology and Chemistry

Course Title: Organic Chemistry

Course Credits:8

Language of Instruction: Albanian

Course Description: Organic chemistry studies the composition and structure of organic compounds. The student is introduced to the main classes of aliphatic and aromatic organic compounds and their use in daily life. An important place is occupied by the composition of organic compounds and their structure. Upon successful completion of the Organic Chemistry course, the student should be able to:

- to know the most important organic substances
- the name and meaning of the organic chemical nomenclature
- Identify some of the most important reactions in organic chemicals
- Identify the functional groups and know the ways of defining the structure
- have a theoretical and practical understanding of some of the key laboratory techniques in organic chemistry

to know geometric isomers, optical stereoisomers, mechanisms of substitution and elimination reactions

Course Goals: Alkanes, Alkenes, Alkynes, Dienes, Alcohols, Aldehydes, Ketones, Organic Acids, Acid Derivatives, Amines, Heterocyclic Compounds, etc.). Geometric isomers, optical stereoisomerism, reaction mechanisms, resonance and mesomerism, benzene, benzene derivatives, reactions SN1, SN2, E1, E2, carbohydrates, amino acids, proteins, etc.

Course Requirements

Forms of knowledge control

Attendance:

- Attendance of lectures by the student is optional
 - • Attendance of laboratories is mandatory to the extent of 100%
- Attendance of seminars is mandatory in the amount of 75%

Continuous control:

- Participation and activation 5%
 - Course assignment (laboratories) 10%
 - 5% partial controls
 - - The exam is combined (written and oral). Oral exam has 10%
- 45-50 points grade five, every ten rating points is added with one grade.**Grading:** Indicate how a final course grade (including credit/no credit) will be assigned

Course Schedule: 30 weeks