

<b>Level:</b> bachelor			
<b>Course title:</b> Organic chemistry I			OZZS-601-I
<b>Status:</b> obligatory			
<b>ECTS:</b> 5			
<b>Requirements:</b> none			
<b>Learning objectives</b> Master basic theoretical and practical knowledge about the structure, preparation and physico-chemical properties of organic compounds. Introduction with IUPAC nomenclature this principal classes of organic compounds.			
<b>Learning outcomes</b> Mastered the basic knowledge on the classification of organic compounds. Overcome by IUPAC nomenclature, structure and characteristics of the major classes of organic compounds, with particular emphasis on the organic molecule for the important aspect of the control and protection of the environment.			
<b>Syllabus</b> <i>Theoretical instruction</i> Getting to know the properties of the carbon atoms and the way of presenting molecule in organic chemistry. Getting to know the structure and nomenclature of the principal classes of organic compounds: alkanes, alkyl halides, alcohols, alkenes, alkynes and polymers, aromatic compounds, aldehydes and ketones, amines, heterocyclic, carboxylic acids and their functional derivatives, carbohydrates, amino acids. Preparation and physical properties of the above mentioned classes of organic compounds. The study of basic organic compounds essential for the protection of the environment. <i>Practical instruction</i> Introduction to laboratory dishes and basic operations in organic laboratories. Testing the physical properties of organic compounds and preparation of certain organic molecules.			
<b>Weekly teaching load</b>			<b>Other:</b>
<b>Lectures:</b> 2	<b>Exercises:</b> 2	<b>Other forms of teaching:</b>	