Course title: Organic chemistry I	<mark>Шифра:</mark>	Z-103
Наставник: dr Andrea R. Nikolić		
Status: obligatory		
ECTS: 8		
Requirements: none		
Learning objectives		
To provide the students with core theoretical and practical know		
the ability to apply it to further studies in Chemistry or multidis		
Chemistry or employment in Chemistry based industry. The ab		
creatively. The ability to conduct an experiment precisely and s		interpret
experimental information and deduce appropriate conclusions.		
Learning outcomes		
After completing the course, the student will be able to demons		
Chemistry. The characteristic reactions of functional groups, th	e structural, stereoc	hemical and
reactivity features of main groups of organic compounds.		
Syllabus		
Theoretical instruction	1 11	C
Introduction to organic chemistry. Structure and bonding. Orga		
Methane, Ethane and Acetylene. The nature of organic reaction and alkyl groups. Naming alkanes. Drawing chemical structure		
Naming and electronic structure of alkenes. Kinds of organic re		
Reactions of alkenes. Alkynes. Reactions of alkynes. Aromatic		
reactions of anxenes. Alkyl halides. Nucleophilic substitution r		
ethers, and phenols. Synthesis and reactions. Cyclic ethers. Alc		
and reactions of aldehydes and ketones. Grignard reagents. Car		
Fats and oils. Soaps. Amines. Structure and properties of amine		
Fats and oils. Soaps. Amines. Structure and properties of amine amines. Heterocyclic amines. Carbohydrates. Fischer projectio	ns and cyclic structu	res. Reactions
Fats and oils. Soaps. Amines. Structure and properties of amine amines. Heterocyclic amines. Carbohydrates. Fischer projectio of monosaccharide. Glycosides. Disaccharides. Polysaccharide	ns and cyclic structu	res. Reactions
Fats and oils. Soaps. Amines. Structure and properties of amine amines. Heterocyclic amines. Carbohydrates. Fischer projectio of monosaccharide. Glycosides. Disaccharides. Polysaccharide proteins.	ns and cyclic structu	res. Reactions
Fats and oils. Soaps. Amines. Structure and properties of amine amines. Heterocyclic amines. Carbohydrates. Fischer projectio of monosaccharide. Glycosides. Disaccharides. Polysaccharide proteins. <i>Practical instruction</i> Detailed written instructions will be given for carrying out basis	ns and cyclic structu s. Amino acids, pept	res. Reactions tides, and

(distinutions und pre erystamzations) and reactions on organic compounds.		
Weekly teaching load	Lecture:	Exercises:
	4 (60)	3 (45)