Table 5.2 Course specification

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Type and level of studies: Bachelor of Science Degree			
Course name: Monosaccharides	and Bioactive Deri	vatives	
Course status: elective			
Number of ECTS credits: 6			
Requirement: none			
Course aim Nomenclature of Carbohydrates .O and chemo-enzymatic way. Introdu and synthetic derivatives of monose	ce students to the bio	logical mechanism of action of sel	
Course outcome Master knowledge about types of n selected modified sugar and nucleo natural monosaccharides and modified	side analogues of bio		
Course content	U		
Theory Ways of showing the structure of homonucleoside, C-glycosides, C mimics. The mechanism of action (glycosidases and glycosyltransfe modified base as drugs. Chemical inflammation. Proteoglycan and s derivatives of monosaccharides.	-nucleosides, aza sug of selected biologic rases inhibitors, anti- glycobiology. Glyco	gars, carba sugars, thio sugars and ally active derivatives of monosa viral agent, etc.). Nucleoside anal pcode. Glycoproteins. Lectins. Ca	l sugar ccharides logues with a arbohydrates in
Practice: Practical classes, OFT, SF Multi-step synthesis of biologically Literature		ves.	
 Miljković, M. Carbohydrates, Sy Science+Bbusiness Media, LLC 20 Stoddart, J. F. Stereochemistry of Kennedy, J. F. Carbohydrate Ch International Union of Pure and Molecular Biology, Joint Commiss Carbohydrates, Pure & Appl. Cher Nelson, D.L.; Cox, M. N. Lehnin Company, 2008. Collins, P.; Ferrier, R. Monosaco Wiley □ Sons, England, 1995. 	09. <i>f Carbohydrates</i> , Will <i>emistry</i> , Clarendon Pr Applied Chemistry an ion on Biochemical N n. 1996 , 68 (10), 1919 <i>ager</i> , <i>Principles of Bio</i>	ley Interscience, New York, 1971. ress, Oxford, 1988. Id International Union of Bio-chen Iomenclature, McNaught, A. D. No 9. ochemistry, Fifth Edition, W.H.Fre	nistry and <i>omenclature of</i> eman and
Number of classes of active teaching			Other classes
	FT:	SRW:	Sure classes
Teaching methods Lectures, laboratory work			
Assessm	ent of knowledge (m	aximum of 100 points)	
Pre-exam obligations	Points	Final exam	points
activity during lecture classes practical teaching	10	written exam	80