ACT VETOWO			UNIVERSITY OF EAST SARAJEVO									
Struct S			Study	y programn								
				Stuc	ly module: I	=00d 7	Technology					
			c .:	Cycle I Year IV						4553 10 1		
Course title Confect			tection	ionery Lechnology								
Department			anner									
Course code				Course status			Semester			ECTS		
04-2-120-8				Elective			VIII	VIII		5		
Teacher Milan Vukio			kic, Ph	, PhD, Assistant Professor								
assistant Milan Vukio			kic, Ph	, PhD, Assistant Professor								
Number of he week)	teaching	work	load (per	Individual student workload (in hou semester)			n hours per	rs per Student workload coefficient So				
Lectures	Au exe	ditory ercises	tory Laborat ises exercis		Lectures		Auditory exercises	Laborator exercises	oratory S _o			
3		0		2	45		0	30	1.00			
3*15+0*15+2*15=75 hours (3*15*1.00+0*15*1.00+2+15*1.00)=75 hours												
I otal course workload /5 + 75 = 150 hours per semester												
		 analyze the chemical composition to assess the raw material's technological quality understand the biochemical and microbiological processes in confectionery raw materials 										
Learning		3. participate in chocolate production processes										
outcomes		4. participate in the production of candy products										
		5. participate in the production of biscuits and related products										
Prerequisites None												
Teaching meth	ods	Lectures,	tures, auditory and laboratory exercises, mid-term tests (colloquia).									
 Syllabus outline per week Syllabus outline per week Introduction. Raw materials in confectionery production. Fats - specialized fats in confectionery technology. Leavening agents, sweeteners, foaming agents, gelling agents, and more. Other raw materials in confectionery production. Cocoa bean processing, cocoa mass production, cocoa flavor enhancement. Cocoa butter and cocoa powder production technology. Chocolate mass and chocolate production technology. Production of chocolate-like and cream products. Sugar and sugar syrup solution production. Technological processes of candy production. Special flours, raw materials, and rheological properties of biscuit dough. Technology of gingerbread, biscuits, wafers, and related products. Extrusion-expansion in cereals processing. Safety and quality assessment of confectionery products. Mid-term tests are taken after the 8th week and the 15th week. Semester verification is required after the 												
					Obligato	ory rea	ading		-			
Aı	ithor			Title, publishe			er	Yea	r	Pages		
Beckett, T S			Th Pu	he Science of Chocolate 2 nd Edition, RSC Publishing, Cambridge, UK				2008	3	(1-240)		
Edwards, P. W.			Th Pu	The Science of Sugar Confectionery, RSC Publishing, Cambridge, UK)	(1-166)		
Street, C. A.			Fl	-lour confectionery manufacture. John Wiley & Sons. 1991					1	(1-227)		
Additional reading												

Author			Title, publi	Year		Pages				
Hartel, R. W., von El Hofberger,	be, J. H., & R.	Confectionery Berlin/Heidelberg	Science g, Germany: S	2018		(1-510)				
		Туре о	f student eva	aluation			Grade points	Percentage		
	Pre-exam obligations									
Obligations,			dance	6	6 %					
			20	20 %						
assessment and	Mid-term test II							20 %		
grading system	Laboratory exercises							24 %		
	Final examination									
				Fi	inal examination	(oral)	30	30 %		
	Total						100	100 %		
Web page	www.tfzv.ue	s.rs.ba								
Date	2023									