TY OF EAST	SARAJEVO		WCTO:									
Faculty of Technology 2												
Study program: Chemical Engineering and Technology / Food		gy / Food										
ourse title FOOD PACKAGING TECHNOLOGIES epartment Department of Food Technology - Faculty of Technology Zvornik												
Status			ECTS									
Elective			4									
Dragan Vujadinović, PhD, Associate Professor												
Milan Vukić, PhD, Assistant Professor												
ndividual st	udent workload	(in semester	Student workload									
	hours)		coefficient S₀									
Р		LV	S₀									
45	•	-	1.50									
na + student)												
- /												
		ng materials;										
		-	erties / requirements for the									
kaging;												
cessing mate	ials and making	packaging from	different materials for the									
	-		antical of									
 apply appropriate methods for determining the basic parameters of quality control of food packaging materials; 												
6. interpret and understand the labels on the packaging;												
Prerequisites												
Lectures, laboratory work												
1. Introduction. History and division of food packaging.												
ackaging in t	bod packaging. B	arrier propertie	s of packaging materials									
 and packaging. Packaging materials (paper and cardboard, plastic, wood, glass, metal, complex packaging materials, biodegradable and edible packaging). Methods of processing, lines for the production of packaging materials and packaging. Packaging forms: wrappers, bags and sacks, boxes, crates, barrels, buckets, bottles, cans, jars, bottles, tubes, glasses. 												
							6. Packaging from complex (multilayer) packaging materials: properties, production and application of					
							Syllabus outline 7. Food packaging design.					
							Syllabus outline 7. Food packaging design. per week 8. Packaging for certain types of food. Interaction of food and packaging.					
9. Migrations and factors influencing migrations. Barrier effect and permeability. Legislation on materials												
and objects in contact with food.												
 Packaging systems, machines and devices for food packaging. Vacuum packaging, modified atmosphere packaging, aseptic packaging, active and intelligent packaging. 												
							12. Transport packaging, pallets and containers, dimensional and mechanical characteristics and condition					
of application. Standardization of packaging materials and packaging. 13. Legal regulations on food product labelling. Design and quality of product labels, EAN code and bene												
of machine packaging.												
14. Trends and innovations in the application, packaging and production of food packaging.												
	of Technolog cal Engineerin Technology NOLOGIES ology - Facult us ive ate Professo essor ndividual str P 45 ng + student): ts will be able s and functio knowledge or kaging; cessing mater ocesses of foo determining f obels on the p ply available on of food para ackaging in foo determining f obels on the p ply available on of food para ackaging in foo determining f obels on the p ply available on of food para ackaging in foo determining f obels on the p ply available on of food para ackaging in foo d cardboard, aging). or the product ags and sacks ilayer) packag food. Interact ing migration d. and devices throsphere p and containers of packaging uct labelling.	Cal Engineering and Technology Technology Academic yea NOLOGIES plogy - Faculty of Technology 2 us Seme ive VII ate Professor essor ndividual student workload hours) P AV 45 0 g + student): 60 + 90 = 150 horts ts will be able to: s and function of food packaging; poresses of food and beverage determining the basic parame abels on the packaging; ply available knowledge and e on of food packaging. ackaging in food packaging. ackaging in food packaging. ad cardboard, plastic, wood, gla aging). or the production of packaging materials: pr prinals, packaging materials: pr erials, packaging systems. food. Interaction of food packaging, aseptic nd containers, dimensional and packaging materials and packaging mate	of Technology Zvornik Cal Engineering and Technology / Food Technology Academic year IV NOLOGIES Semester ology - Faculty of Technology Zvornik Semester us Semester ive VII ate Professor Semester ate Professor CLV 45 0 45 odd (in 2 * 15 * 1.50 + 0 * 15 * 1.50) g + student): 60 + 90 = 150 hours per semest to will be able to: s and function of food packaging materials; knowledge of the materials and their proper kaging; Seriessing materials and making packaging from processes of food and beverage packaging; bels on the packaging; ply available knowledge and experience. on of food packaging. Barrier properties, drading, adding, a									

15. Packaging and environmental protection.								
Required literature								
Author / s		Title of publication, publisher Ye		Paç	Pages (from-to)			
Muhamedbegović, B., Juul, NV, Jašić, M.		Food packaging and packaging	2015		1-233			
Crnčević, V.		Food packaging. Privredni pregled, Beograd	1980		1-220			
		Supplementary literature						
Author / s		Title of publication, publisher	Year	Pag	Pages (from-to)			
Robertson, GL		Food Packaging - Principles and Practice, Marcel Dekker, Inc., New York	2013		1-380			
Jung HH		Innovations in Food Packaging, Elsevier Ltd	2005		61-235			
Da-Wen S.		Handbook of frozen food packaging and processing, Taylor & Francis Group, LLC	2006		1-503			
Obligations, assessment methods and		Type of student work evaluation			Percentage			
	Prerequisites							
		Attendance at lectures / exercises		6	6%			
		Mid-term test (colloquium) 1		20	20%			
		Mid-term test (colloquium) 2			20%			
grading system		Laboratory exercises			24%			
grading system								
	Final exam (oral)			30	30%			
	TOTAL				100%			
Website	www.tfzv.	ues.rs.ba						
Date	2023							