Study		Fac	RSITY OF EAST							
		programme: Chemical Engineering and Technology /Food Technology Cycle I Academic year III								
Course title PRINCIPLES OF FOOD PRESERVATION										
Department Department of Food Technology - Faculty of Technology Zvornik										
Course code		Course status		Semester		ECTS				
TF-1-1-HIT-04-1-102-6-6-3-2		Obligatory		VI		7				
Teacher	Dragan Vujadin	iović, PhD, A	vić, PhD, Associate Professor							
Teaching assistant Milan Vukić, PhD, Assistant Professor										
Number of classes/ t (per week)			ad Individual student workload (in ho semester)			coefficient S _o				
		aboratory xercises	Lectures	Auditory exercises	Laboratory exercises	S₀				
3	0	2	63	0	42	1,4				
3*15-	3*15+0*15+2*15=75 hours 3 * 15 * 1.40 + 0 * 15 * 1.40 + 2 * 15 * 1.40 = 105 hours									
				180 hours per sen	nester					
Learning	After finishing the course, students will be able to: 1. understand the essence of endogenous and exogenous changes in unprocessed foods (spoilage) and the factors that affect them;									
outcomes 2. understand the principles of blosis, anablosis and ablosis in preventing the process of blod spollage 3. understand the conditions under which different canning procedures can be optimized with the aim of										
				redetermined qual						
Prerequisites			i process for the p	roduction of variou	is tood products	S.				
Teaching methods	No prerequisites. Lectures, auditory and laboratory exercises, mid-term tests (colloquia).									
Syllabus outline per week	 Introduction. Food spoilage. Principles of food stability. Food processing and canning as opposed to preserving the nutritional quality of foods. Thermal preservation methods. Pasteurization. Sterilization. Microwave heating. Preservation at low temperatures. Freezing. Preservation by lowering water activists. Preservation by water abstraction (concentration). Preservation by drving 									
A (1)			Obligatory re			D				
Author			Title, publish	ier	Year	Pages				
Veresh M.	rinciples of fo elgrade	-		^{ure,} 2004	1-200					
Lovrić T.		cesses in the food industry with the basics of od Engineering, Hinus, Zagreb		of 2002	1-300					
Bhat R., Alias AK, Pali	rogress in Fe td, UK			ons, 2012	1-240					
Additional reading										

Author		Title, publisher			Pages			
Rahman, MS		Handbook of food preservation - 2nd ed., Taylor & Francis Group, LLC, New York			1-589			
Paul Singh, R.; Heldman	Dennis R.	Introduction to Food Engineering Fourth Edition			1-860			
Thomas O. and Nils B.		Minimal processing technologies in the food industry	2002		1-300			
	Type of student evaluation			Grade points	Percentage			
	Pre-exam of	pligations						
Ohlingtigen		Atten	6	6 %				
Obligations, assessment methods and grading system		Mid-tern	20	20 %				
		Mid-term	20	20 %				
		Laboratory exe	24	24 %				
	Final examination							
		Final examination	30	30 %				
	Total			100	100 %			
Web page	www.tfzv.ue	s.rs.ba						
Date	2023							