seet y we			UNIV	SEA MICTOWNOM									
		_		Faculty of Technology Zvornik									
	2.			Study program									
Ports 1500	-		Cycle I	1 3 1 3 1 3 1 3 1 3 1 3 1 3 1 3 1 3 1 3									
Course title		Meat Production and Processing Technology											
Department			Department for Food Technology – Faculty of Technology Zvornik										
	_				Course status			ECTS					
C	Course	code		Co			ster						
	07.7			Obligatory		1	7						
Teacher	04-1-1	DI-I PhD	Vladi	mir Tomović, full	omović full professor			1					
Teaching													
assistant		PnD	Draga	an Vujadinovic, A	dinovic, Asoociate professor								
Number of	hours	s/ teacl	hing	workload (per Individual stud		udent workload	(in hours per	Student workload					
week)		Audita		Loboratom		semester)	Loborator	coefficient S _o					
Lectures		Audito	ly PS	exercises	Lectures	Auditory		y S₀					
3		0		3	45	0	45	1.33					
3*15 +		+ 0*15	15 + 3*15 = 90 hours 3*15*1.33 + 0*15*1.33 + 3*1				15*1.33 = 120 hours						
				Total course v	/orkload 90 + 120 =	= 210 hours per s	emester						
	After	After finishing the course, students will be able to:											
			1. understand the basic theoretical knowledge and practical skills of meat science,										
Learning			 demonstrate and utilize knowledge of the chemical composition and physico-chemical properties of meat of different species 										
outcomes	outcomes		3. demonstrate and utilize knowledge of equipment and various technological procedures of meat										
			processing,										
			4. demonstrate and utilize the latest knowledge of meat science.										
Prerequisite	es		INO PIETEQUISITES										
Teaching m	ethods		consultations, mid-term tests (colloquia), oral exam.										
			1. Introduction. Trends in meat production and consumption. Meat and muscles. Animals for										
			slaughter and meat production.										
			2. Animal slaughter and carcass dressing process. Types and characteristics of slaughter lines for										
			Meat content in carcasses and half carcasses – grading										
			4.	Muscle composition. Nutritional value of meat. Muscle structure and ultrastructure.									
			5.	Post-mortem chemical and biochemical changes in muscle. Conversion of muscle to meat.									
			Formation, characteristics and prevention of the formation of meat with abnormal quality (PSE,										
			DFD). Meat spoilage by microorganisms.										
			 Sensory evaluation or mean and near treated mean. Determination or chemical composition, physico-chemical characteristics of meat from different species (nH, color, WHC, texture) 										
			connective tissue content, glycogen). Definition of meat quality.										
			7. Meat chilling. Cutting, deboning and packing of meat.										
Syllabus	outline	•	8. Meat preservation by freezing. Optimal freezing speed. Freezing equipment.										
per week			 Saturing and curring or meat, sait diffusion, processes and equipment. Heat treatment for raw material and meat products. Lather affects of heat treatment. Smoking of 										
			meat. Production and composition of smoke. Smoking methods and equipment. Drving and										
			fermentation of meat, methods and equipment.										
			11. Categories of meat products. Properties of basic groups and subgroups of meat products. Meat										
			i	as raw material a	biloids) for meat processing.								
			 Mincing, emulsifying, mixing and filling, methods and equipment. Production of ground and 										
			formed meat, sausages and canned meat products.										
			13.	Production of smoked and dry whole meat products, bacon and animal fats.									
			14.	Quality parameters and functional properties of additives, non-meat protein products and									
			1	nyarocollolds. Introduction to spices. Determination of sensory, physico-chemical and technological quality parameters of all groups of meat, equip and fish products.									
			15. Meat processing facilities design. Quality criteria, meat processing operations and hygiene of										

	meat production and processing (GHP, GMP and CCP). Egg and fish production and processing. Analysis of technological processes in meat, poultry, egg and fish processin technology.											
Mid-term tests are taken after the 8th week and the 15th week. Semester verification is required 15th week.												
Obligatory reading												
Author		Title, publisher	Year	r Pages								
Vuković, I.K.		osnove tehnologije mesa, Veterinarska komora 200 rbije, Beograd.		5 1-192								
Teodorović, V., B Karabasil, N., Dimi Vasilev, D.	Bunčić, O., trijević, M.,	Higijena i tehnologija mesa, Praktikum. Naučna KMD. Beograd.	2012		5-95							
Additional reading												
Author		Title, publisher			Pages							
Lawrie, A.R.		Lawrie's Meat Science	1998		1-442							
Brown, M.		uscle Foods: Meat, Poultry and Seafood echnology, Chapman and Hall, London, New York, 200 oodhead publishing limited.		2 1-375								
		Type of student evaluation		Grade points	Percentage							
	Pre-exam obligations											
Obligations,		Atten	6	6%								
assessment		Seminar Mid to rec	14	14%								
methods and grading system		Mid-term Mid term	20 25	20% 25%								
grading system	Final examir	nation	20	2370								
	r indi oxarini	Final examination	30	30%								
	Total		100	100%								
Web page	www.tfzv.ues.rs.ba											
Date	2023.											