Course name: Food safety and quality management

5.0
basic, obligatory
Exam
No prerequisites

Educational profile	General academic
Code of studies and education level	Bachelor / Master
Semester of studies	winter
Language of instruction	English

Course offered by:

Name of faculty offering the course	Faculty of Food Technology
Name of department offering the course	Department of Plant Products Technology and Nutrition Hygiene
Course coordinator	dr hab. inż. Piotr Gębczyński, prof. URK

Learning outcomes:

Symbol of outcome	Description of the learning outcome	Reference to main field of study outcomes	Area symbol*	
	KNOWLEDGE – student knows and understands			
ZBJ_W1	physical, chemical and microbiological hazards in food and ways to control them (good practice systems - GxP, HACCP, ISO 22000), rules and stages of implementing the HACCP system and ISO 22000 standards	TŻ1_W09	RT	
ZBJ_W2	the ISO 9000 standard, the structure and method of creating the Quality Manual, the principles of documenting quality management systems	TŻ1_W09	RT	
SKILLS – student is able to				
ZBJ_U1	develop the essential elements of the HACCP system, including: selecting members of an interdisciplinary team, preparing a description of the product covered by the system and determining its intended use, developing a flow diagram, identifying potential hazards and analysing them to designate a CCP, select an exemplary monitoring method and corrective actions for to the selected CCP and record the above in the form of HACCP documentation.	TŻ1_U03 TŻ1_U05 TŻ1_U11	RT	
ZBJ_U2	develop a manual for a selected action and a procedure for an example process and construct a Quality Manual.	TW1_U03	RT	
	SOCIAL COMPETENCIES – student is ready to:			
ZBJ_K1	work in a team, taking on different rules in it, skilfully manages time,	TŻ1_K02	RT	
ZBJ_K2	inform the public about activities related to the production of safe food	TŻ1_K05	RT	

Teaching contents

Lectures	30 hours
Tonios	Development of food safety research, Codex Alimentarius, food safety systems - GMP, GHP, HACCP. Food hazards.
Topics	HACCP system principles, HACCP system implementation stages, and how to develop the HACCP system.

	Doci	umentation in the HACCP	evetom	audit ann			
				аиші, арр	lication of the HAC	CCP system at v	arious stages of
		ood chain, ISO 22 000 sta					
	Stages and concepts in quality management, principles, methods and tools in quality management Quality systems according to ISO 9000. Implementation of quality systems. Process approach during development, implementation and improvement. Certification.						
							s approach
		ity book, documentation. I					
	Princ	ciples of food law, EU regu	ılations o	n food sa	fety, contaminatior	n, adulteration,	food labelling,
	and f	food control.					
Accomplish	ed lear	ning outcomes	ZBJ_V	V1; ZBJ_V	V2; ZBJ_K2		
Means of ve		on, rules and criteria of	at leas	t 51% of a	r a positive assess correct answers to bject's final grade.		
Classes:			1		, ,	15 ho	ours
Arrangement of the HACC of the product, drawing up production part.			ow diagra	am, and vo	erifying the chart b	t, determining that ased on the pre	ne intended use epared plan of the
	prev	aration of a list of hazards entive measures and an a	ssessme	nt of risks	using a priority ar	nalysis.	
Topics Establishment of Critical Control Points (CCPs). For the selected CC parameters, critical limits and the method of the monitoring system, of the actions taken.							
	Way	s of preparing instructions	, writing a	a sample	instruction.		
	The	structure and methods of t	formulatiı	ng proced	ures, writing an ex	ample procedu	re. The form and
	ways	s of constructing the quality	y book.				
Accomplish	ed lear	ning outcomes	ZBJ_U	11; ZBJ_U	2; ZBJ_K1; ZBJ_k	(2	
assessmen	pra				l module evaluation raft procedure and on - 25%.		,
References:							
Basic				ised in 1 in Plain E ator)	997, 2003, 2020 English. Paton Pro	https://www.fa	o.org/fao-who- co, USA (book
Supplementary 1. Mortimor S., Walllace C. 20 available at the University's Ma 2. Mukherjee S.P. 2019. Qualitat the University's Main Library			y's Main Quality.	Library (e Domains	-resources) or fror and dimensions. S	m the course co Springer (The bo	ordinator). ok is available
	learni	na outcomes					
tructure of	icai iii						
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obligatory traineeships	0	hrs.	=
participation in examination	2	hrs.	-
e-learning	0	hrs.	0.0 ECTS**
student own work	76	hrs.	3.0 ECTS**

^{*}Areas of academic study in the fields of: H- humanities; S - social studies; P - biological sciences; T - technological sciences; M- medical, sport and health sciences; R - Agricultural, forestry and veterinary sciences; A - the arts

^{**} stated with an accuracy to 0.1 ECTS, where 1 ECTS = 25 - 30 hours of classes