A COURSE SYLLABUS – DOCTORAL SCHOOL

REGARDING THE QUALIFICATION CYCLE FROM 2019 TO 2023

	GENER	AL INFORM	ATION ABOUT CO	URSE			
Course title		Doctoral S					
			Doctoral School at University of Rzeszów				
	obligatory, optional)	obligatory	,				
Year and semest		J /	2019 TO 2023				
Discipline			nology and human nu	utrition			
Language of Cou	Jrse	Polish/Eng	31				
Name of Course			b. Izabela Sadowska-E	Bartosz			
Name of Course			b. Izabela Sadowska-E				
Prerequisites		not require					
1							
	В	RIEF DESCR	IPTION OF COURSE				
		(100-	200 words)				
Seminar classes:							
1) Assessment o	f the progress of the res	earch work co	onstituting the basis f	or the doctoral disserta	ation;		
	etailed knowledge in the						
	e general knowledge of						
	tice - oral presentation,	evaluation of	f other doctoral stude	nts' presentations, par	ticipation in the		
	peaker and listener						
	the promoter about goo						
	ood and nutrition techr			f its implementation,	and respect for		
.,	pretation of results (30 se						
COURSE L	EARNING OUTCOMES	AND METH	ODS OF EVALUAT	ING LEARNING OU	TCOMES		
Learning	The description	n of the	Relation to the	Learning Format	Method of		
outcome	learning outcome of	defined for	degree	(Lectures, classes,)	assessment		
	the cours		programme		of learning		
			outcomes		outcomes		
			(symbol)		(e.g. test, oral		
			(Syntool)		exam, written exam, project,)		
Knowledge	Knows and understar	nds			example jeeq,		
(no.)							
1	- To the extent enabli	na the	P8S-WG/1	seminars	Observation		
	revision of the existin	•			during		
	paradigms - world ac	5			classes,		
	covering theoretical f				projects,		
	and general issues an				checking		
	specific issues - food						
	and human nutrition						
	for the discipline;						
2	- The main developm	ent trends	P8S-WG/2	seminars	Observation		
	in the discipline of hu		-		during		
	nutrition technology,				classes,		
	education takes place				projects,		
					checking		
3	- Research methodol	ogy;	P8S-WG/3	seminars	Observation		
			_		during		
					classes,		
					projects,		
					checking		
			1		, , , , , , , , , , , , , , , , , , ,		
4	- Principles of dissem	inating the	P8S-WG/4	seminars	Observation		
4	- Principles of dissem results of scientific ac		P8S-WG/4	seminars	Observation during		

				projects, checking
5 Skills	- Basic principles of knowledge transfer to the economic and social sphere as well as commercialization of the results of scientific activity and know- how related to these results.	P85-WK/3	seminars	Observation during classes, projects, checking
(no.)	Can:			
1	 Use knowledge from various fields of science for creative identification and innovative solving of complex problems or performing research tasks, in particular: define the purpose and subject of research, formulate a research hypothesis, develop methods, techniques and research tools and use them creatively, make conclusions on the basis of scientific research; 	P8S-UW/1	seminars, practical classes	Observation during classes, projects, checking
2	- Make a critical analysis and evaluation of the results of scientific research, expert activities and other creative works and their contribution to the development of knowledge;	P8S-UW/2	seminars, practical classes	Observation during classes, projects, checking
3	- Transfer the results of scientific activity to the economic and social sphere;	P8S-UW/3	seminars	Observation during classes, projects, checking
4	- Communicate on specialist topics to the extent that allows active participation in the international scientific environment;	P8S-UK/1	seminars, practical classes	Observation during classes, projects, checking
5	- Disseminate the results of scientific activity, also in popular forms;	P8S-UK/2	seminars, practical classes	Observation during classes, projects, checking
6	- Initiate a debate;	P8S-UK/3	seminars	Observation during classes, projects, checking
7	- Participate in the scientific discourse;	P8S-UK/4	seminars	Observation during classes, projects, checking
8	- Plan and implement individual	P8S-UO	seminars	Observation

		earch projects, a ional environme				during classes, projects, checking
9	his/her own o as inspire and	tly plan and act t levelopment as v l organize the : of other people	vell	seminars		Observation during classes, projects, checking
Social competence (no.)	Is ready to:					
1	- Critically assess achievements in food and nutrition technology;			seminars		Observation during classes, projects, checking
2	- Critically evaluate your own contribution to the development of food and nutrition technology;			seminars		Observation during classes, projects, checking
3	- Recognize the importance of knowledge in solving cognitive and practical problems;			seminars		Observation during classes, projects, checking
4	 Maintain and develop the ethos of research and creative communities, including: independently conducting research activities respecting the principle of public ownership of the results of scientific activity, taking into account the principles of intellectual property protection 		s of	seminars		Observation during classes, projects, checking
			RMAT – NUMBER C	OF HOURS		
Semester	Lectures	Seminars	Lab classes	Internships	others	ECTS
(no.) 1	-	ν	-		-	
2	-	ν	-	-	-	
3	-	ν	-	-	-	
4	-	ν	-	-	-	
5		ν			-	
6	-	ν	-	-	-	
7	-	ν	-	-	-	
	-	ν	-	-	-	
8			DS OF INSTRUCTION			

Seminars: a problem-solving seminar/a seminar supported by a multimedia presentation/ distance learning Classes: text analysis and discussion/project work (research project, implementation project, practical project)/ Laboratory classes: designing and conducting experiments).

COURSE CONTENT

1. Lectures/ Seminars:

The content is related to the area of the PhD student's research work.

The seminar covers issues related to the implementation of research topics in the field of food technology and human nutrition.

2. Seminars / Lab classes/ others:

The lab classes covers issues related to the implementation of research topics in the field of food technology and human nutrition.

COURSE ASSESSMENT CRITERIA

Observation during classes, projects, checking.

TOTAL PhD STUDENT WORKLOAD REQUIRED TO ACHIEVE THE INTENDED LEARNING OUTCOMES

- NUMBER OF HOURS AND ECTS CREDITS

Activity		Number of hours			
Scheduled course contact hours		30 hours / semester			
Other contact ho	ours involving the teacher (consultation hours,	30 hours / semester			
examinations)					
Non-contact hours - student's own work (preparation for		20 hours / semester			
classes or examinations, project, etc.)					
Total number of hours		80 hours / semester			
Total number of ECTS credits					
	INSTRUCTIONAL MAT	ERIALS			
Compulsory	- M. Mitek, M. Słowiński (red). Wybrane zagadı	nienia z technologii żywności. SGGW 2006.			
literature:	- T. Fortuna, D. Gałkowska, S. Pietrzyk, J. Rożnowski, R. Socha. Wybrane zagadnienia z				
	chemii żywności. Wydawnictwo Uniwersytetu Rolniczego w Krakowie, 2012				
	- M. Bączkowicz, T. Fortuna, L. Juszczak, J. Sobolewska-Zielińska. Podstawy analizy i oceny				
	jakości żywności. Wydawnictwo Uniwersytetu Rolniczego w Krakowie, 2012.				
	- Borja A., 2014. 11 steps to structuring a science paper editors will take seriously.				
	https://www.elsevier.com/connect/11-stepsto-structuring-a-science-paper-editors-will-take-				
	seriously - Bamji MS, Krishnaswamy K, Brahmam GNV (2009). Textbook of Human Nutrition, 3 rd				
	Edition. Oxford and IBH Publishing Co. Pvt. Ltd.				
	- Food Oxidants and Antioxidants. Chemical Biological and Functional Properties. Edited by				
	G. Bartosz. Taylor & Francis Group, 2016				
Complementary					
literature:	- Seals DR, Tanaka H. Manuscript peer review: a helpful checklist for students and novice				
	referees. Adv Physiol Educ. 2000 Jun; 23(1):52-8. PubMed PMID:				
	10902527.	ing tife Muiting Conjugate New York			
	- Blackwell, J. 2011. A Scientific Approach to Scientific Writing, Springer, New York				
	[electronic resource].				

Scientific journals in the field of food technology and human nutrition, food analysis and
biotechnology.