


KAPITAŁ LUDZKI
 NARODOWA STRATEGIA SPÓŁCZNOŚCI

 Projekt współfinansowany przez
 Unię Europejską w ramach
 Europejskiego Funduszu
 Społecznego

UNIA EUROPEJSKA
 EUROPEJSKI
 FUNDUSZ SPOŁECZNY


Course title	ECTS code					
Protection of the Stored Food	13.3.0512					
Name of unit administrating study						
null						
Studies						
faculty	field of study	type	pierwszego stopnia			
Wydział Chemii	Chemia	form	stacjonarne			
		specialty	chemia żywności			
		specialization	wszystkie			
Teaching staff						
dr hab. Marek Gołębiowski, profesor uczelni						
Forms of classes, the realization and number of hours		ECTS credits				
Forms of classes		1				
Lecture		classes - 15 h				
The realization of activities		tutorial classes – 2 h				
classroom instruction		student's own work – 8 h				
Number of hours		Total: 25 h - 1 ECTS				
The academic cycle						
2024/2025 winter semester						
Type of course		Language of instruction				
obligatory		polish				
Teaching methods		Form and method of assessment and basic criteria for evaluation or examination requirements				
multimedia-based lecture		Final evaluation				
		Graded credit				
		Assessment methods				
		Written test with open questions				
The basic criteria for evaluation						
		• positive evaluation - min. 51% from written exam covering the scope of material realized during lectures				
		• negative evaluation can be improved on the basis of an additional written exam covering the scope of material realized during lectures (at least 51% of possible points)				
Method of verifying required learning outcomes						
Required courses and introductory requirements						
A. Formal requirements						
Chemistry, Biology						
B. Prerequisites						
Knowledge of basic topics in chemistry and major concepts in biology.						
Aims of education						
<ul style="list-style-type: none"> • Knowledge of the method of preservation and storage of food • Knowledge of environmental factors influencing on stored food • Knowledge of the principles of food storage • Knowledge about the protection of stored food • Knowledge of choosing the right way to store food 						
Course contents						

Methods of preserving and storing of food. Types of food preservation methods. Physical methods of food preservation. Chemical methods of food preservation. Biological methods of food preservation. Preserving food with unconventional methods. Food storage. The influence of environmental factors on stored food. Changes in food during storage. The basic principles of food storage. Protection of stored food against rodents, cockroaches, flies, ants, storage pests, birds and other vertebrates. Packaging, storage and transport of food. Control and evaluation of food quality

Bibliography of literature

Literature required to pass the course

Ewa Czarniecka-Skubina. Technologia żywności. Wydawnictwo: AB format 2010

Lehari Gabriele. Przechowywanie i konserwowanie żywności. MULTICO 2006

Danuta Kołozyn-Krajewska, Tadeusz Sikora, Mieczysław Skrzypek. Towarzystwo, WSiP, Warszawa 1999.

Kumirska J., Gołębiowski M., Paszkiewicz M., Bychowska A. Analiza żywności, Wydawnictwo UG, Gdańsk 2010

A.2. studiowana samodzielnie przez studenta

Ewa Czarniecka-Skubina. Technologia żywności. Wydawnictwo: AB format 2010

Lehari Gabriele. Przechowywanie i konserwowanie żywności. MULTICO 2006

Danuta Kołozyn-Krajewska, Tadeusz Sikora, Mieczysław Skrzypek. Towarzystwo, WSiP, Warszawa 1999.

Kumirska J., Gołębiowski M., Paszkiewicz M., Bychowska A. Analiza żywności, Wydawnictwo UG, Gdańsk 2010

Extracurricular readings

Gruda Z., Postolski J.: „Zamrażanie żywności”. Warszawa 1985.

Praca zbiorowa pod redakcją Klepacka M. Analiza żywności, Fundacja Rozwój SGGW, Warszawa 2005.

Ewa Hanna Lada. Podstawy przetwórstwa spożywczego. WSiP, Warszawa 2008

Danuta Kołozyn-Krajewska, Tadeusz Sikora - 2004. Towarzystwo żywności. WSiP 2004.

The learning outcomes (for the field of study and specialization)	Knowledge
	<ol style="list-style-type: none">1. The student knows and describes the basic methods used to protect stored food2. The student can indicate the main health risks resulting from improper storage of food.3. The student knows the basic principles of protection of stored food.4. The student knows what changes are in food during storage5. Understands the basic topics related to the control and evaluation of food quality.
	<p>Skills</p> <ol style="list-style-type: none">1. The student demonstrates the ability to evaluate the methods used to protection of stored food2. The student demonstrates the ability to propose methods used to protection of stored food3. Student evaluates the methods used to protection of stored food4. Student formulates opinions about the protection of stored food
	<p>Social competence</p> <ol style="list-style-type: none">1. The student understands the need to learn2. The student discusses about the protection of stored food3. The student explains the negative health effects caused by improper food storage4. The student promotes the importance of protection of stored food.5. The student consciously evaluate the conditions of the protection of stored food

Contact

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