



Subject card

Subject name and code	PRODUCT TECHNOLOGY, PG_00061474						
Field of study	Engineering Management						
Date of commencement of studies	October 2024	Academic year of realisation of subject				2025/2026	
Education level	first-cycle studies	Subject group				Optional subject group	
Mode of study	Part-time studies (on-line)	Mode of delivery				at the university	
Year of study	2	Language of instruction				Polish	
Semester of study	3	ECTS credits				3.0	
Learning profile	general academic profile	Assessment form				assessment	
Conducting unit	Department of Management Engineering and Quality -> Faculty of Management and Economics						
Name and surname of lecturer (lecturers)	Subject supervisor		mgr Anna Wendt				
	Teachers						
Lesson types and methods of instruction	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	0.0	16.0	0.0	0.0	0.0	16
	E-learning hours included: 0.0						
Learning activity and number of study hours	Learning activity	Participation in didactic classes included in study plan		Participation in consultation hours		Self-study	SUM
	Number of study hours	16		5.0		54.0	75
Subject objectives	Analyzes technological processes by specifying the key parameters of the technology used, making assessments based on applicable standards						
Learning outcomes	Course outcome		Subject outcome			Method of verification	
	[K6_U02] prepares and presents convincing, professional presentations of the results of its activities, with their advanced interpretation		presents the results of the analysis of the technological process in a convincing way, making an advanced interpretation of the proposed solutions			[SU5] Assessment of ability to present the results of task	
	[K6_W03] identifies reliable sources of information relevant to the analyzed issues		analyzes the manufacturing processes of selected products, collecting information in the context of the parameters of the technology used and compliance with applicable standards			[SW1] Assessment of factual knowledge	
Subject contents	<p>Basic concepts of technological processes</p> <p>Discussion of selected unit processes</p> <p>Block and technological diagrams</p> <p>Selected technological processes of the food and non-food industry</p> <p>Economic, ecological and quality aspects</p> <p>Raw materials, semi-finished products, products and waste in selected technological processes</p>						
Prerequisites and co-requisites							
Assessment methods and criteria	Subject passing criteria		Passing threshold			Percentage of the final grade	
	Attendance		80.0%			20.0%	
	Discussion		60.0%			18.0%	
	Project		60.0%			50.0%	
	Exercises in class		60.0%			12.0%	

Recommended reading	Basic literature	E. Pająk, Zarządzanie produkcją. Produkt technologia, organizacja, Wydawnictwo Naukowe PWN, Warszawa 2006 E. Pijanowski, M. Dłużewski, A. Dłużewska, A. Jarczyk, Ogólna technologia żywności, WNT, Warszawa 2000 T. Pazera, T. Rzemieniu, Browarstwo, WSiP, Warszawa 1998 T. Obrusiewicz, Mleczarstwo, część I, WSiP, Warszawa 1994 T. Obrusiewicz, Mleczarstwo, część II, WSiP, Warszawa 1992 A. Horubałowa, T. Haber, Analiza techniczna w piekarstwie WSiP, Warszawa 1994 M. Bartnik, T. Jakubczyk, Surowce w piekarstwie WSiP, Warszawa 1995 Polska Norma PN-87/P-50007 Wytwory papiernicze
	Supplementary literature	Nowelizacje Rozporządzeń, Ustaw, Norm dotyczących tematyki, Dyrektywy nowego podejścia
	eResources addresses	Adresy na platformie eNauczanie:
Example issues/ example questions/ tasks being completed	List the types of raw materials Tasks related to the subject of quality management: TQM, ISO 9001 Presentation showing the production proces	
Work placement	Not applicable	

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