Załącznik nr 2f do UCHWAŁY NR 48/2023-2024
Senatu UP w Lublinie z dnia 24 maja 2024 r.

Description of learning outcomes in relation to the second-level characteristics of learning outcomes for qualifications at levels 6 and 7 of the Polish Qualifications Framework enabling the acquisition of engineering competences.

Name of the field of study: FOOD TECHNOLOGY AND HUMAN NUTRITION

Level of studies: first-cycle studies

Study profile: general academic

Learning outcomes symbols for the field of study	**Learning outcomes for obtaining engineering competencies**	Reference to the characteristics of the second level of learning outcomes for qualifications leading to engineering competences
	KNOWLEDGE **a graduate knows and understands:**	
InzTZ1A_W01	the construction, operation and principles of use of technological apparatus in the food industry, basic phenomena and processes related to the operation of apparatus (technical systems)	P6S_WG P7S_WG
InzTZ1A_W02	the methods of solving basic engineering tasks in the field of food technology design	P6S_WG P7S_WG
InzTZ1A_W03	the basics of management, including quality management in the sphere of food production and nutrition, and the principles of running a business	P6S_WK 67S_WK
InzTZ1A_W04	the social, economic, legal and other non-technical conditions, dependencies and effects of engineering activity	P6S_WG P7S_WG
	SKILLS **a graduate is able to:**	
InzTZ1A_U01	select and apply appropriate methods for solving simple engineering tasks of a practical nature in the field of food production and nutrition	P6S_UW P7S_UW
InzTZ1A_U02	identify, formulate and solve simple engineering tasks in the field of food technology and nutrition	P6S_UW P7S_UW
InzTZ1A_U03	plan, practically carry out tests and measurements of technological equipment and processes, select methods and means, as well as interpret results and draw conclusions	P6S_UW P7S_UW
InzTZ1A_U04	use information technologies to obtain technical information, select, analyse, process, store, manage and transfer it to other people, including calculations and visualization	P6S_UW P7S_UW
InzTZ1A_U05	carry out a preliminary economic analysis of the proposed solution to an engineering task	P6S_UW P7S_UW
InzTZ1A_U06	conduct a substantive assessment of the operation of technical facilities and systems in terms of their effectiveness (effectiveness) in the implementation of tasks and goals	P6S_UW P7S_UW
InzTZ1A_U07	use standards, norms and other sources of technical information, technical documentation of facilities when formulating and solving engineering tasks, while recognizing system and non-technical aspects	P6S_UW P7S_UW P6S_UK P7S_UK

InzTZ1A_U08	prepare design documentation according to the specification for a simple device, product, system or process, using adequate methods and means	P6S_UW P7S_UW P6S_UK P7S_UK