Correlation of ASIIN Subject Specific Criteria 06 (Engineering and Management, Economics) to AGB ILOs

ASIIN SSC 06		Description of SSC	Intended Learning Outcome (ILO)								
			Attitude & Behaviours (S)		Mastery in Sciences (P)		General Skills (KU)		Special Skills (KK)		
			1	2	3	4	5	6	7	8	9
Knowledge	A1	A broad understanding of selected fields within engineering and natural sciences, with indepth theoretical and practical examples. They are familiar with the principles and laws of their chosen engineering discipline and the methods used in their working environment			√						
	A2	A broad understanding of essential micro- and macro-economic contexts, with in-depth theoretical and practical examples. They are familiar with the responsibilities of different business functions and understand operational, macro-economic and managementrelated processes as well as their reciprocal effects			√				√		
	A3	A broad understanding of a set of interrelated and integrated subjects, which bring together economic, technical and social aspects and processes. They are familiar with the principles of coordination, communication, methodology and leadership (integrative knowledge).				√				√	√
	A4	An understanding of empiricism and are familiar with the methods of academic research and writing (academic research and writing).	√		√		√				
Skills	B1	Identify, abstract, structure and solve technical and economic tasks and problems both in a holistic and in an integrative way						√		√	√
	B2	Grasp, analyse and evaluate methods and processes,			√				√	√	
	B3	Develop, optimise and use application-oriented solutions based on specified analyses of processes and data					√				√
	B4	Collect and interpret relevant primary and secondary technical and economic data based on the methods of academic research and writing					√				
	B5	Choose and apply adequate methods of modelling, simulation, design and implementation							√	√	
	B6	Evaluate, plan and choose adequate technical and economic systems			√				√	√	
	B7	Conduct literature research and use specialist data for their work					√				

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Competences	C1	Understand and evaluate the economic, political, social and legal framework of the economy (understanding of the economic environment)			√				√	√	
	C2	Make rational decisions based on an ethical argumentation, think critically in order to find innovative and effective solutions for inter-divisional, qualitative and quantitative problems (critical thinking)			√			√		√	
	C3	Express themselves in a logical and convincing way both orally and in writing and communicate with their specialist colleagues on the contents and problems of their respective discipline, -in different languages and between different cultures (communication)	√				√				√
	C4	Effectively cooperate with others in different situations, in international environments, across several disciplines and in a constructive manner (cooperation and teamwork)					√	√			√
	C5	Recognise and solve complex tasks and problems of a technical and economic context in a holistic and systematic manner across several disciplines (inter-disciplinary problem solving and professional competence)			√	√			√		
	C6	Demonstrate awareness of the health, safety and legal issues and responsibilities of engineering practice, the impact of engineering solutions in a societal and environmental context	√							√	
	C7	The ability to responsible apply and independently consolidate their knowledge in different fields under consideration of economic, ecologic and safety requirements as well as sustainability and environmental compatibility			√	√			√		
	C8	Use the appropriate scientific methods and new findings of the engineering and economics environment in their practical work while taking into consideration the economic, ecological, technical and social requirements (transfer competence)					√		√		
	C9	Work individually and as part of an international group, organise and implement projects effectively and become accustomed to the responsibilities of leadership (cross-cultural competence),						√			√

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	C10	Integrate into a working environment with ease thanks to a sufficient practical orientation of the degree and collaborate with partners on different levels (social competence)		√			√				√
	C11	Effectively use modern information technologies (IT competence)				√	√				√
	C12	Acquire knowledge autonomously thanks to their Bachelor's degree and continue their training and studies (life-long learning)		√				√			√
	C13	Transfer new findings in engineering and natural sciences to industrial and commercial production under consideration of economic, ecologic and safety requirements as well as sustainability and environmental compatibility.			√		√		√		

Code	**Intended learning Outcomes (ILO)**
	Attitude and Behaviour
1	Capable of internalizing faith in God Almighty by upholding moral and ethical values.
2	Capable of self-development and lifelong learning to contribute to society and the nation by appreciating the values of tolerance, care and sensitivity.
	Knowledge
3	Understand the fundamental principles of Agribusiness Management, Agricultural Economics, and Community Empowerment in integrated and sustainable agricultural development.
4	Understand the concept of entrepreneurship by implementing an integrated and sustainable agribusiness information and communication technology management system.
	General Skills
5	Able to think logically, critically, and systematically in conducting agribusiness studies based on information and data analysis and disseminating them nationally and globally.
6	Able to implement creative and innovative agribusiness management operations with a spirit of leadership and professionalism.
	Specific Skills
7	Able to identify, analyse, and allocate resources and factors of production technically and economically in the field of agribusiness.
8	Able to manage agribusiness operating system quality and risks, as well as evaluate business and commercial performance.
9	Able to communicate, negotiate, and advocate in the field of agribusiness using information technology.