

**Matrixes of Relationship between Subject Specific Criteria 08 (SSC08) and Learning Outcomes (LO) of
Bachelor Degrees of Agribusiness Study Program**

a. Matrix of SSC08 – LO Knowledge Competence (SC)

	SSC-01. know and understand the principles of natural sciences, social science, mathematics, medical science, economics and engineering their discipline is based on	SSC-02. have a coherent knowledge in their discipline including knowledge of the latest findings in their discipline	SSC-03. know concepts of identification and safeguarding of quality in their respective fields of work	SSC-04. know the essential legal regulations relating to their discipline	SSC-05. are aware of the further multidisciplinary context of agriculture, nutrition science, or landscape and neighbouring fields
SC 1. To be able to understand the latest issues in the field of agribusiness both at the basic level and at the advanced level	✓	✓			✓
SC 2. To be able to understand knowledge and technology in the field of agribusiness including the development of professional practice through research studies to produce proven innovative work in the field of agribusiness		✓	✓	✓	✓
SC 3. To be able to understand the fields of economics, management, business, entrepreneurship, institutions, sociology, counseling, and communication as well as agricultural sciences for the development of sustainable agribusiness operation systems.		✓	✓	✓	✓
SC 4. To be able to understand operationally the social, economic, and technological principles that underlie the management of agricultural businesses, and agricultural industries as well as socio-cultural aspects in rural areas for decision making and		✓	✓	✓	✓

problem solving in the field of agribusiness.					
SC 5. To be able to manage research, and development in the field of agribusiness that is beneficial to society and science and is able to gain national and international recognition.			✓	✓	✓
SC 6. To be able to communicate research results in the field of agribusiness education in the form of scientific publications in national, and international accredited scientific journals.		✓	✓		✓

b. Matrix of SSC08 – LO General Skills (OS 1-5)

	SSC-06. have the required knowledge and understanding to identify and formulate problems arising in agriculture, nutrition science, or landscape architecture (which may contain aspects stemming from areas other than their field of specialization	SSC-07. are able to apply different methods orientated on fundamentals –such as mathematical, statistical, and experimental (laboratory) analysis	SSC-08. are qualified to plan and conduct respectively suitable experiments, interpret the data, and draw conclusions	SSC-09. are able to pursue literature searches in a targeted way and to use data bases and other sources of information	SSC-10. are qualified to carry out assessments on the basis of comparisons with literature references and plausibility considerations
OS 1. To be able to plan, implement, and evaluate the allocation of natural, human, capital and social resources to improve the efficiency of agribusiness system operations, and be able to operate, and develop innovative, accountable agribusiness business units, creating added value by prioritizing social principles agricultural economics, and quantitative, and qualitative approaches to realizing sustainable, and efficient agribusiness.	✓	✓		✓	
OS 2. To be able to manage, develop, and market	✓		✓		✓

sustainable agriculture-based agribusiness products by applying agricultural socio-economic principles through quantitative and qualitative approaches.					
OS 3. To be able to make the right decisions using quantitative, and qualitative methods, and able to recommend alternative solutions individually and in groups on various agribusiness problems.		✓	✓	✓	✓
OS 4. To be able to apply, and utilize science and technology in solving problems in the field of agribusiness that is adaptive to environmental changes.			✓		
OS 5. To be able to communicate, and negotiate effectively with stakeholders in developing agribusiness operating systems by utilizing information technology in the agribusiness sector, to realize sustainable, and efficient agribusiness.			✓	✓	✓

c. Matrix of SSC08 – LO Specific Skills (SS)

	SSC-11. have the skills to solve practical problems	SSC-12. can combine theory and practice to solve subject specific practical problems	SSC-13. are able to select and apply suitable devices, processes, and methods	SSC-14. have developed an understanding of applicable techniques and methods and their imitations	SSC-15. recognize the technical, health and safety, social, ecological, and legal implications of engineering practice in their field of scientific expertise	SSC-16. can apply methods relevant for their profession	SSC-17. are aware of the usability and the restrictions of concepts and solution strategies	SSC-18. can resort to experience with problems, topics, and processes relating to their scientific discipline	SSC-19. are able to consult adequate literature and information sources and coordinate the work of experts
OS 6. To be able to use methods, and formulate strategies for using resources to increase self, and community capacity in facing the challenges of future agribusiness development.	✓	✓	✓						
OS 7. To be able to communicate business policies, and agribusiness management for the benefit of farmer empowerment.	✓	✓	✓	✓	✓				
OS 8. To be able to motivate, and empower the community in the field of agribusiness development to improve community welfare.	✓				✓	✓			
OS 9. To be able to create job opportunities, or business in the agribusiness sector in a sustainable manner by involving the wider community.	✓			✓					
OS 10. To be able to integrate concepts, and practices in the field of agribusiness and entrepreneurship.	✓	✓						✓	✓
OS 11. To be able to manage, and develop agribusiness by implementing a management system that guarantees quality output.	✓	✓					✓	✓	

d. Matrix of SSC08 – LO Attitudes and Values (AV)

	SSC-20. are able to work efficiently on their own and as team members	SSC-21. are qualified to apply different methods to communicate effectively with the scientific community and the society as a whole	SSC-22. feel obliged to act in accordance with professional ethics and the responsibilities and standards of practical engineering	SSC-23. are aware of the methods of project management and business practices such as risk and change management and understand their limitations	SSC-24. recognize the necessity of independent life-long learning and are qualified to do so	SSC-25. depending on the professional field they have competences in the fields of management and marketing, in particular project management, acquisition, personnel management, controlling etc	SSC-26. are adequately competent in the area of communication, e.g., presentations or moderation
AV 1. To fear of The Almighty God			✓				
AV 2. To have good morals, ethics and personality in completing their duties			✓		✓		
AV 3. To play a role as a proud citizen and love the homeland and support world peace		✓			✓		
AV 4. To be able to work together and have social sensitivity and high concern for society and the environment.	✓				✓	✓	
AV 5. To appreciate the diversity of cultures, views, beliefs, and religions as well as other people's original opinions/findings		✓		✓			
AV 6. To highly uphold law enforcement and have the spirit to put the interests of the nation and the wider community first.			✓				
AV 7. To be able to internalize correct academic values and norms related to 4-onesty, ethics, attribution, copyright, confidentiality and data ownership			✓	✓		✓	
AV 8. To be able to internalize the entrepreneurial spirit				✓	✓		✓