

Appendix 1.2 Matrix of the relationship between Subject-Specific Criteria (SSC) and Program Educational Objectives (PEO) of FTSP

SSC	Sub-SSC	PLO					
		1	2	3	4	5	6
1	know and understand the principles of natural sciences, social science, mathematics, medical science, economics and engineering their discipline is based on	✓					
	have a coherent knowledge in their discipline including knowledge of the latest findings in their discipline	✓					
	know concepts of identification and safeguarding of quality in their respective fields of work	✓					
	know the essential legal regulations relating to their discipline	✓			✓		
	are aware of the further multidisciplinary context of agriculture, forestry or food science and neighboring fields	✓	✓				
2	have the required knowledge and understanding to identify and formulate problems arising in agriculture, forestry or food science (which may contain aspects stemming from areas other than their field of specialization)		✓		✓		
	are able to apply different methods orientated on fundamentals – such as mathematical, statistical, and experimental (laboratory) analysis	✓	✓				
	are qualified to plan and conduct respectively suitable experiments, interpret the data, and draw conclusions		✓		✓		
3	are able to pursue literature searches in a targeted way and to use databases and other sources of information				✓		
	are qualified to carry out assessments on the basis of comparisons with literature references and plausibility considerations.				✓		
4	have the skills to solve practical problems				✓		
	can combine theory and practice to solve subject-specific practical problems				✓		
	are able to select and apply suitable devices, processes, and methods				✓		
	have developed an understanding of applicable techniques and methods and their limitations				✓		
	recognise the technical, health and safety, social, ecological, and legal implications of engineering practice in their field of scientific expertise	✓				✓	

	can apply methods relevant for their profession					✓	
	are aware of the usability and the restrictions of concepts and solution strategies				✓	✓	
	can resort to experience with problems, topics, and processes relating to their scientific discipline				✓		
	are able to consult adequate literature and information sources and coordinate the work of experts				✓		
5	are able to work efficiently on their own and as team members			✓			
	are qualified to apply different methods to communicate effectively with the scientific community and the society as a whole			✓			
	feel obliged to act in accordance with professional ethics and the responsibilities and standards of practical engineering			✓		✓	
	are aware of the methods of project management and business practices such as risk and change management and understand their limitations				✓		✓
	recognise the necessity of independent life-long learning and are qualified to do so			✓			
	depending on the professional field they have competences in the fields of management and marketing, in particular project management, acquisition, personnel management, controlling etc			✓			✓
	are adequately competent in the area of communication, e.g. presentations or moderation			✓			

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