CORRELATION SSC TO PLOs

No.	Requirements For Bachelor Degree Programmes		Program Learning Outcome (PLO)											
			1	2	3	4	5	6	7	8	9	10	11	12
1.	Knowledge and Understanding	- Graduates know and understand the principles of natural sciences, social science, mathematics, economics, and engineering their discipline is based on;	√			√								
		- Graduates have a coherent knowledge in their discipline including knowledge of the latest findings in their discipline;		√		√	√	√	√	√		√	√	√
		- Graduates know concepts of identification and safeguarding of quality in their respective fields of work;					√	√			√		√	
		- Graduates know the essential legal regulations relating to their discipline;		√	√				√					
		- Graduates are aware of the further multidisciplinary context of agriculture, forestry, food science, or landscape architecture and neighbouring fields.			√					√	√			
2.	Engineering Analysis	- Graduates have the required knowledge and understanding to identify and formulate problems arising in agriculture, forestry, food science, or landscape architecture (which may contain aspects stemming from areas other than their field of specialisation);				√	√		√	√	√	√	√	
		- Graduates are able to apply different methods orientated on fundamentals – such as mathematical, statistical, and experimental (laboratory) analysis;					√	√			√			√
		- Graduates are qualified to plan and conduct respectively suitable experiments, interpret the data, and draw conclusions.								√	√	√	√	√

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3.	Investigations	- Graduates are able to pursue literature searches in a targeted way and to use data bases and other sources of information;				√								
		- Graduates are qualified to carry out assessments on the basis of comparisons with literature references and plausibility considerations.							√					
4.	Engineering Practice	- Graduates have the skills to solve practical problems					√		√	√	√	√	√	√
		- Graduates can combine theory and practice to solve subject-specific practical problems;								√	√	√	√	
		- Graduates are able to select and apply suitable devices, processes, and methods;					√							
		- Graduates have developed an understanding of applicable techniques and methods and their limitations;					√	√						√
		- Graduates recognise the technical, health and safety, social, ecological, and legal implications of engineering practice in their field of scientific expertise;						√	√		√			√
		- Graduates can apply methods relevant for their profession;		√	√		√							√
		- Graduates are aware of the usability and the restrictions of concepts and solution strategies;					√		√					
		- Graduates can resort to experience with problems, topics, and processes relating to their scientific discipline;						√	√					√
		- Graduates are able to consult adequate literature and information sources and coordinate the work of experts.		√		√								√
5.	Social Competences	- Graduates are able to work efficiently on their own and as team members;												√

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	- Graduates are qualified to apply different methods to communicate effectively with the scientific community and the society as a whole;												v
	- Graduates feel obliged to act in accordance with professional ethics and the responsibilities and standards of practical engineering;												v
	- Graduates are aware of the methods of project management and business practices such as risk and change management and understand their limitations;									v	v	v	v
	- Graduates recognise the necessity of independent life-long learning and are qualified to do so;												v
	- Graduates depending on the professional field they have competences in the fields of management and marketing, in particular project management, acquisition, personnel management, controlling etc,												v
	- Graduates are adequately competent in the area of communication, e.g. presentations or moderation.												v

Program Learning Outcome (PLO)

No	Code	Learning Outcomes
1	PLO-1	Commit to the ethical, moral, and character values of defending the country as a professional in agriculture
2	PLO-2	Able to think critically and analytically, solve problems, be responsible for work independently, and make appropriate decisions based on information that can be accounted
3	PLO-3	Able to maintain and develop collaborative networks with mentors, colleagues, both inside and outside their respective workplace
4	PLO-4	Able to apply the knowledge of plant Science, the basic concepts of plant production, land resources and soil science, and integrated concept of plant protection against of pests and diseases
5	PLO-5	Able to apply the principles of agricultural technology to solve agricultural problems
6	PLO-6	Able to analyze, plan and implement lowland agricultural systems referring to the principles of sustainable agriculture, both modern and local wisdom, effectively and productively
7	PLO-7	Able to study the implementation of sustainable agricultural systems that pay attention to and apply scientific principles, procedures and ethics in order to produce solutions, ideas and designs based on the results of information and data analysis
8	PLO-8	Able to apply the knowledge of plant propagation technology, and crop management in accordance with the agro-climate zone
9	PLO-9	Able to apply knowledge of identifying, formulating, analyzing, planning and applying land resource management
10	PLO-10	Able to apply knowledge to identify, diagnose, analyze, plan and apply integrated pest and plant disease control
11	PLO-11	Able to manage lowland agricultural systems and related environmental issues
12	PLO-12	Able to communicate orally and in writing, work in a team, interact with other people from different backgrounds, skilled in organizing and leading in various situations.