No	Intended Learning Outcome													Sı	ubject	Spesif	ic Crit	eria 0	8											
		Knowledge and				Engineering Analysis					Investigations					Engineering Desaign				Engineering Practice					e	Social Competences				
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	2 2	23	24	25	26	27	28
	Internalize scientific values, norms and ethics with responsible performance of work in the field of forestry expertise and the tropical forest environment	*	*																											
	Have knowledge, in-depth understanding and particular specialization in the field of forestry and tropical forest environments			*																										
	Able to identify, analyze and develop solutions to actual issues and problems in the forestry and tropical forest environment				*																									
4	Able to apply logical, critical, systematic and innovative thinking in preparing research and work schemes in the field of forestry and the tropical forest environment					*	*	*	*	*																				
5	Able to position scientific concepts and descriptions resulting from ideas into a research map developed through an inter- or multidisciplinary approach, and can disseminate and communicate them through various media and forums to a wider audience										*	*	*	*	*															
6	Able to lead, collaborate in a team and be responsible for achieving group work results as well as evaluating and supervising the completion of work under his/her responsibility																										*	*	*	*
7	Able to develop theories, models, techniques and methods that can be applied in the field of forestry and tropical forest environments															*	*	*	*	*	*									
8	Able to analyze and evaluate system performance, then make decisions and implement them with more innovative methods																					*	*							
9	Able to recognize and assess the ecological, social and economic implications of the application and implementation of initiatives, approaches, methods and programs in the forestry sector and tropical forest environment																								*	*				

Knowledge and Understanding

SSC1 have profound knowledge and understanding of their technical including engineering specialisation and the further scientific context;

SSC2 have developed differentiated knowledge and critical awareness of the latest findings in their discipline; have differentiated and advanced knowledge of the legal provisions relevant for their professional field; SSC3 SSC4 have advanced knowledge of quality standards and quality processes as well as their management.

Engineering Analysis

SSC5

are qualified to formulate and solve problems arising in new and developing fields of the area of their specialisation;

are able to use their knowledge and understanding to design scientific including engineering models, systems, strategies, and processes; SSC6

are able to design and apply different methods – such as mathematical analysis, computer-aided model design, practical (laboratory) experiments or plans; SSC7

SSC8 are able to recognise the relevance of the ecologic and economic framework conditions relating to social and health and safety issues;

SSC9 are qualified to plan, conduct, and evaluate field and laboratory experiments. Investigations

SSC10 are qualified to apply suitable methods to pursue investigations or detailed research as to technical-scientific issues in accordance with the status of their

knowledge and understanding;

SSC11 are able to identify, locate, and procure required information; SSC12 can define and conduct investigations using the means of analysing, modelling, and experimenting;

SSC13 are qualified to assess data critically and to draw conclusions,

SSC14

are able to investigate the application of new emerging technologies in their scientific discipline. Engineering Design

SSC15

are qualified to solve problems which are incompletely defined or unusual and show conflicting targets or competing specifications;

SSC16 are able to analyse and assess system performance;

SSC17 are able to use their knowledge and understanding to develop solutions for unusual problems together with the integration of other disciplines; SSC18

can apply their scientific ability to judge when working with complex, technically impure, and incomplete information;

SSC19 are qualified to apply innovative methods to problem solving processes. Engineering Practice

SSC20 can combine theory and practice to achieve quality of structures, processes, and results;

SSC21 can deal with complex facts and combine knowledge from different fields;

SSC22 can develop and implement deductive and inductive methods; SSC23

have developed a comprehensive understanding of applicable theories, models, techniques, and methods and their limitations;

recognise the social, economic, and ecological implications of practical engineering and can assess them SSC24

Social Competences

SSC25 fulfil the requirements on graduates of Bachelor's degree programmes with a view to

key qualifications on the higher level of Master's degree programmes; SSC26 SSC27

can work effectively as leaders of teams comprising different disciplines and levels;

SSC28 can work and communicate in national and international contexts.

Knowledge and Understanding

have profound knowledge and understanding of their technical including engineering specialisation and the further scientific context; SSC1

SSC2 have developed differentiated knowledge and critical awareness of the latest findings in their discipline; SSC3 have differentiated and advanced knowledge of the legal provisions relevant for their professional field; SSC4 have advanced knowledge of quality standards and quality processes as well as their management

Engineering Analysis

SSC5

SSC11

are qualified to formulate and solve problems arising in new and developing fields of the area of their specialisation;

SSC6 are able to use their knowledge and understanding to design scientific including engineering models, systems, strategies, and processes;

are able to design and apply different methods – such as mathematical analysis, computer-aided model design, practical (laboratory) experiments or plans; SSC7

SSC8 are able to recognise the relevance of the ecologic and economic framework conditions relating to social and health and safety issues;

SSC9 are qualified to plan, conduct, and evaluate field and laboratory experiments.

Investigations SSC10

are qualified to apply suitable methods to pursue investigations or detailed research as to technical-scientific issues in accordance with the status

of their knowledge and understanding;

are able to identify, locate, and procure required information;

can define and conduct investigations using the means of analysing, modelling, and experimenting; SSC12

SSC13 are qualified to assess data critically and to draw conclusions.

SSC14 are able to investigate the application of new emerging technologies in their scientific discipline. Engineering Design

SSC15 are qualified to solve problems which are incompletely defined or unusual and show conflicting targets or competing specifications;

SSC16 are able to analyse and assess system performance;

SSC17 are able to use their knowledge and understanding to develop solutions for unusual problems together with the integration of other disciplines;

can apply their scientific ability to judge when working with complex, technically impure, and incomplete information; are qualified to apply innovative methods to problem solving processes. SSC18

SSC19

Engineering Practice

SSC20 can combine theory and practice to achieve quality of structures, processes, and results; SSC21

can deal with complex facts and combine knowledge from different fields;

SSC22 can develop and implement deductive and inductive methods;

SSC23 have developed a comprehensive understanding of applicable theories, models, techniques, and methods and their limitations;

SSC24 recognise the social, economic, and ecological implications of practical engineering and can assess them

Social Competences SSC25 fulfil the requirements on graduates of Bachelor's degree programmes with a view to

SSC26 key qualifications on the higher level of Master's degree programmes;

can work effectively as leaders of teams comprising different disciplines and levels; SSC27

SSC28 can work and communicate in national and international contexts.

acquisition, personnel management, controlling etc, adequately competent in the area of communication, e.g. presentations or moderation SSC26