Horticultural engineering BSc full-time course from autumn 2023 (Education code:):

Horticultural engineer BSc
full-time

Basic natural sciences knowledge

Code	Course	preequisite	exam preequisite	1st semester					2nd semester					3rd semester					4th semester					5th semester					6th semester					7th semester					Total				
				evaluation	credit	lecture	practice	labor	evaluation	credit	lecture	practice	labor	evaluation	credit	lecture	practice	labor	evaluation	credit	lecture	practice	labor	evaluation	credit	lecture	practice	labor	evaluation	credit	lecture	practice	labor	evaluation	credit	lecture	practice	labor	evaluation	credit	lecture	practice	labor
	Botany I. - II.	-	-	c	3	2	1	0	c	3	2	1	0																												6	4	2	0
	Chemistry	-	-	c	4	2	1	0																																	4	2	1	0
	Plant physiology	-	-						c	3	2	1	0																													3	2	1	0
	Genetics, biotechnology	-	-						p	2	0	2	0																													2	0	2	0
	Natural resources	-	-											c	2	2	0	0																								2	2	0	0
	Agrochemistry	-	-						c	3	2	1	0																													3	2	1	0
	Agrometeorology	-	-						p	2	0	2	0																													2	0	2	0
	Water management	-	-											c	2	1	1	0																								2	1	1	0
	Microbiology and tissue culture	-	-											p	2	0	2	0																								2	0	2	0
	Environmental and nature protection	-	-						p	2	0	2	0																													2	0	2	0
	Total:			0	7	4	2	0	0	15	6	9	0	0	6	3	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		28	13	14	0

Basic knowledge of engineering science

Code	Course	preequisite	exam preequisite	1st semester					2nd semester					3rd semester					4th semester					5th semester					6th semester					7th semester					Total				
				evaluation	credit	lecture	practice	labor	evaluation	credit	lecture	practice	labor	evaluation	credit	lecture	practice	labor	evaluation	credit	lecture	practice	labor	evaluation	credit	lecture	practice	labor	evaluation	credit	lecture	practice	labor	evaluation	credit	lecture	practice	labor	evaluation	credit	lecture	practice	labor
	Biometrics	-	-	p	3	0	2	0																																	3	0	2	0
	Physics	-	-	p	3	0	2	0																																	3	0	2	0
	IT	-	-	p	2	0	2	0																																	2	0	2	0
	Basic technical knowledge	-	-	p	2	0	2	0																																	2	0	2	0
	Precision gardening tools	-	-																					c	2	2	1	0													2	2	1	0
	Environmental management, sustainable development	-	-	c	2	2	0	0																																	2	2	0	0
	Total			0	12	2	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	1	0	0	0	0	0	0	0	0	0	0	0		14	4	9	0

Basic knowledge of social sciences

Code	Course	preequisite	exam preequisite	1st semester					2nd semester					3rd semester					4th semester					5th semester					6th semester					7th semester					Total				
				evaluation	credit	lecture	practice	labor	evaluation	credit	lecture	practice	labor	evaluation	credit	lecture	practice	labor	evaluation	credit	lecture	practice	labor	evaluation	credit	lecture	practice	labor	evaluation	credit	lecture	practice	labor	evaluation	credit	lecture	practice	labor	evaluation	credit	lecture	practice	labor
	Economics	-	-	c	2	2	0	0																																	2	2	0	0
	Agricultural economics	-	-						c	2	2	0	0																													2	2	0	0
	International property policy	-	-						c	2	2	0	0																													2	2	0	0
	International basic law	-	-	c	2	2	0	0																																	2	2	0	0
	Total			0	4	4	0	0	0	4	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		8	8	0	0

General agricultural knowledge

Code	Course	preequisite	exam preequisite	1st semester					2nd semester					3rd semester					4th semester					5th semester					6th semester					7th semester					Total				
				evaluation	credit	lecture	practice	labor	evaluation	credit	lecture	practice	labor	evaluation	credit	lecture	practice	labor	evaluation	credit	lecture	practice	labor	evaluation	credit	lecture	practice	labor	evaluation	credit	lecture	practice	labor	evaluation	credit	lecture	practice	labor	evaluation	credit	lecture	practice	labor
	Cultivation	-	-						c	3	2	0	0																													3	2	0	0
	Plant production	-	-											c	2	2	1	0																								2	2	1	0
	Animal husbandry	-	-																c	3	2	1	0																			3	2	1	0
	Organic farming	-	-																										c	2	2	0	0									2	2	0	0
	Soil science	-	-	c	3	2	1	0																																	3	2	1	0
	Total			0	3	2	1	0	0	3	2	0	0	0	2	2	1	0	0	3	2	1	0	0	0	0	0	0	0	2	2	0	0	0	0	0	0	0		13	10	3	0

General horticultural knowledge

Code	Course	preequisite	exam preequisite	1st semester					2nd semester					3rd semester					4th semester					5th semester					6th semester					7th semester					Total				
				evaluation	credit	lecture	practice	labor	evaluation	credit	lecture	practice	labor	evaluation	credit	lecture	practice	labor	evaluation	credit	lecture	practice	labor	evaluation	credit	lecture	practice	labor	evaluation	credit	lecture	practice	labor	evaluation	credit	lecture	practice	labor	evaluation	credit	lecture	practice	labor
	Basic ornamental cultivation	-	-											p	4	0	4	0																								4	0	4	0
	Open field ornamental cultivation	-	-																c	4	2	2	0																			4	2	2	0
	Herbs and spices cultivation	-	-																										p	3	0	2	0									3	0	2	0
	Basic knowledge of fruit growing and nursery school	-	-											c	4	2	2	0																								4	2	2	0
	Fruit growing technologies	-	-																p	4	0	4	0																			4	0	4	0
	Basics of viticulture	-	-											c	4	2	2	0																								4	2	2	0
	Viticulture technology	-	-																p	4	0	4	0																			4	0	4	0
	Basics of vegetable growing	-	-											p	4	0	4	0																								4	0	4	0
	Open field vegetable growing	-	-																c	4	2	2	0																			4	2	2	0
	Plant protection I.-II.	-	-																c	4	2	1	0	c	4	2	1	0														8	4	2	0
	Food safety knowledge	-	-																					p	3	0	2	0														3	0	2	0

Horticultural engineering BSc full-time course from autumn 2023 (Education code:):

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Horticultural engineering BSc full-time course from autumn 2023 (Education code:):

Horticultural economic and management knowledge

Code	Course	preequisite	exam preequisite	1st semester					2nd semester					3rd semester					4th semester					5th semester					6th semester					7th semester					Total				
				evaluation	credit	lecture	practice	labor	evaluation	credit	lecture	practice	labor	evaluation	credit	lecture	practice	labor	evaluation	credit	lecture	practice	labor	evaluation	credit	lecture	practice	labor	evaluation	credit	lecture	practice	labor	evaluation	credit	lecture	practice	labor	evaluation	credit	lecture	practice	labor
	Marketing	-	-																										c	2	2	0	0							2	2	0	0
	Quality management	-	-																p	3	0	2	0																		3	0	2	0
	Financial basics	-	-																c	3	2	0	0																		3	2	0	0
	Agronomy	-	-																										c	3	2	1	0							3	2	1	0
	International economy	-	-																					c	2	1	1	0												2	1	1	0
	Total	**-**	**-**	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	2	2	0	0	2	1	1	0	0	5	4	1	0	0	0	0	0	0		13	7	4	0

Specializations for the horticulture sectors - GREEN INDUSTRY AND PRECISION HORTICULTURAL specialization (can be selected independently)

Code	Course	preequisite	exam preequisite	1st semester					2nd semester					3rd semester					4th semester					5th semester					6th semester					7th semester					Total				
				evaluation	credit	lecture	practice	labor	evaluation	credit	lecture	practice	labor	evaluation	credit	lecture	practice	labor	evaluation	credit	lecture	practice	labor	evaluation	credit	lecture	practice	labor	evaluation	credit	lecture	practice	labor	evaluation	credit	lecture	practice	labor	evaluation	credit	lecture	practice	labor
	Application of ornamental plants																							c	2	1	1	0												2	1	1	0
	Establishment and maintenance of green surfaces																												p	2	0	2	0							2	0	2	0
	Sustainable vegetable production																												p	2	0	2	0							2	0	2	0
	Small-scale vegetable cultivation																							c	2	1	1	0												2	1	1	0
	Integrated fruit growing																							c	2	1	1	0												2	1	1	0
	Precision gardening technologies																												c	3	1	1	0							3	1	1	0
	Integrated viticulture																							c	2	1	1	0												2	1	1	0
	Functional food production																												c	1	1	1	0							1	1	1	0
	Total			**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**8**	**4**	**4**	**0**	**0**	**8**	**2**	**6**	**0**	**0**	**0**	**0**	**0**	**0**		**16**	**6**	**10**	**0**

Others

Code	Course	preequisite	exam preequisite	1st semester					2nd semester					3rd semester					4th semester					5th semester					6th semester					7th semester					Total				
				evaluation	credit	lecture	practice	labor	evaluation	credit	lecture	practice	labor	evaluation	credit	lecture	practice	labor	evaluation	credit	lecture	practice	labor	evaluation	credit	lecture	practice	labor	evaluation	credit	lecture	practice	labor	evaluation	credit	lecture	practice	labor	evaluation	credit	lecture	practice	labor
	Transversal knowledge I.-II.-III.	-	-	p	1	0	1	0	p	1	0	1	0	p	1	0	1	0																						3	0	3	0
	Physical education I.	-	-	sig	0	0	2	0																																0	0	2	0
	Physical education II.	-	-						sig	0	0	2	0																											0	0	2	0
	Foreign language 1	-	-						p	3	0	2	0																											3	0	2	0
	Foreign language 2	-	-											p	3	0	2	0																						3	0	2	0
	Thesis writing I.-II.-III.	-	-																					p	6	0	2	0	p	6	0	2	0	p	3	0	0	0		15	0	4	0
	Semester practice	-	-																															p	30	0	0	0	p	30	0	480	0
	Practice I.-II.-III.-IV.	-	-											sig	0	0	80	0	sig	0	0	40	0	sig	0	0	80	0	sig	0	0	40	0							0	0	240	0
	Practical horticultural lessons I-II.	-	-	p	1	0	4	0	p	1	0	4	0																											2	0	8	0
	Competency test I-II.	-	-	sig	0	0	0	0																										sig	0	0	0	0		0	0	0	0
	Professional seminar	-	-																															sig	0	0	2	0		0	0	2	0
	Optional subjects min. 10 kr	-	-						p	2	0	2	0	p	2	0	2	0	p	1	0	1	0	p	1	0	1	0	p	4	0	4	0							10	0	10	0
	Total:			0	2	0	3	0	0	7	0	7	0	0	6	0	5	0	0	1	0	1	0	0	7	0	1	0	0	10	0	4	0	0	33	0	2	0	0	66	0	23	0

Summarization

	1st semester					2nd semester					3rd semester					4th semester					5th semester					6th semester					7th semester					Total				
	evaluation	credit	lecture	practice	labor	evaluation	credit	lecture	practice	labor	evaluation	credit	lecture	practice	labor	evaluation	credit	lecture	practice	labor	evaluation	credit	lecture	practice	labor	evaluation	credit	lecture	practice	labor	evaluation	credit	lecture	practice	labor	evaluation	credit	lecture	practice	labor
Total colloquium	0					0					0					0					0					0					0									
Total practice	6					8					6					5					6					5					2									
Total signature	2					1					1					1					1					1					2									
Total credits and lesson	**0**	**28**	**12**	**14**	**0**	**0**	**29**	**12**	**16**	**0**	**0**	**30**	**9**	**21**	**0**	**0**	**30**	**10**	**17**	**0**	**0**	**30**	**9**	**15**	**0**	**0**	**30**	**9**	**14**	**0**	**0**	**33**	**0**	**2**	**0**	**0**	**210**	**61**	**99**	**0**

altogether: 160 contact les
average number of lesson per w 22,9 contact les

Total number of hours of contact lesson + exercises: 2400
Including exercises, average number of lesson per week = (total + exercises) / 7 semesters / 15 weeks: 23

Lecture les 61 37,42 %
Practice: 102 62,58 %
163 total lessor