Horticultural engineering BSc
full-time

Basic natural sciences knowledge

Code	Course	prerequisite	exam prerequisite	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	prerequisite	exam prerequisite	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	3	2	1	0																																	3	2	1	0
	Total			0	13	2	9	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		15	4	10	0

Basic knowledge of social sciences

Code	Course	prerequisite	exam prerequisite	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	3	2	1	0																													3	2	1	0
	Agrarian and property policy	-	-						c	2	2	0	0																													2	2	0	0
	Agricultural and economic law	-	-	c	2	2	0	0																																	2	2	0	0
	Total			0	4	4	0	0	0	5	4	1	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		9	8	1	0

General agricultural knowledge

Code	Course	prerequisite	exam prerequisite	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
	Összesen:			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	prerequisite	exam prerequisite	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
	Sectoral work organization and economics	-	-																				p	2	0	3	0															2	0	3	0
	Household farming	-	-																				p	2	0	2	0															2	0	2	0
	Integrated plant protection	-	-																									c	2	1	1	0										2	1	1	0
	Összesen:	-	-	0	0	0	0	0	0	0	0	0	0	0	16	4	12	0	0	20	6	13	0	0	11	2	8	0	0	5	1	3	0	0	0	0	0	0			52	13	36	0

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
	Finance and Accounting	-	-																c	3	2	0	0																	3	2	0	0
	Agronomy	-	-																										c	3	2	1	0							3	2	1	0
	Business Economics	-	-																					c	2	1	1	0												2	1	1	0
	Összesen:	**-**	**-**	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																							k	2	1	1	0												2	1	1	0
	Establishment and maintenance of green surfaces																												gyj	2	0	2	0							2	0	2	0
	Sustainable vegetable production																												gyj	2	0	2	0							2	0	2	0
	Small-scale vegetable cultivation																							k	2	1	1	0												2	1	1	0
	Integrated fruit growing																							k	2	1	1	0												2	1	1	0
	Precision gardening technologies																												k	3	1	1	0							3	1	1	0
	Integrated viticulture																							k	2	1	1	0												2	1	1	0
	Functional food production																												k	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**	**4**	**8**	**4**	**4**	**0**	**2**	**8**	**2**	**6**	**0**	**0**	**0**	**0**	**0**	**0**	**16**	**6**	**10**	**0**

Specializations for the horticultural sectors - ORNAMENTAL GARDENING AND PLANT APPLICATION specialization

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
	Dendrology																							c	2	1	1	0												2	1	1	0
	Growing ornamental plants in greenhouses																												c	2	1	1	0							2	1	1	0
	Establishment and maintenance of green surfaces																												p	2	0	2	0							2	0	2	0
	Application of ornamental plants																							c	2	1	1	0												2	1	1	0
	Main specialization in total:			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	2	2	0	0	4	1	3	0	0	0	0	0	0	8	3	5	0

Optional subjects for the ORNAMENTAL GARDENING AND PLANT APPLICATION specialization (8 credits)

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
	Outdoor cultivation of other vegetable species																							c	2	1	1	0												2	1	1	0
	Precision greenhouse vegetable cultivation																												c	2	1	1	0							2	1	1	0
	Small-scale vegetable cultivation																							c	2	1	1	0												2	1	1	0
	Sustainable vegetable production																												p	2	0	2	0							2	0	2	0
	Cultivation of apples and berries																							c	2	1	1	0												2	1	1	0
	Cultivation of stone and shell fruits																												c	2	1	1	0							2	1	1	0
	Pruning of fruit trees																												p	2	0	2	0							2	0	2	0
	Fruit storage and commercialization																							c	2	1	1	0												2	1	1	0
	Knowledge of grape varieties																							c	2	1	1	0												2	1	1	0
	Cultivation of table grapes																												c	2	1	1	0							2	1	1	0
	Special methods of grape cultivation																												p	2	0	2	0							2	0	2	0
	Wine tourism																							c	2	1	1	0												2	1	1	
	A total of freely selectable:			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	2	2	0	0	4	1	3	0	0	0	0	0	0	8	3	5	0
	Total specialization:			**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**

Specializations for horticultural sectors - SUSTAINABLE VEGETABLE GROWING specialization

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
	Outdoor cultivation of other vegetable species																							c	2	1	1	0												2	1	1	0
	Precision greenhouse vegetable cultivation																												c	2	1	1	0							2	1	1	0
	Small-scale vegetable cultivation																							c	2	1	1	0												2	1	1	0
	Sustainable vegetable production																												p	2	0	2	0							2	0	2	0
	Main specialization in total:			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	2	2	0	0	4	1	3	0	0	0	0	0	0	8	3	5	0

Optional subjects for the SUSTAINABLE VEGETABLE GROWING specialization (8 credits)

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
	Dendrology																							c	2	1	1	0											2	1	1	0
	Growing ornamental plants in greenhouses																												c	2	1	1	0							2	1	1	0
	Establishment and maintenance of green surfaces																												p	2	0	2	0							2	0	2	0
	Application of ornamental plants																							c	2	1	1	0											2	1	1	0
	Cultivation of apples and berries																							c	2	1	1	0											2	1	1	0
	Cultivation of stone and shell fruits																												c	2	1	1	0							2	1	1	0
	Pruning of fruit trees																												p	2	0	2	0							2	0	2	0
	Fruit storage and commercialization																							c	2	1	1	0											2	1	1	0
	Knowledge of grape varieties																							c	2	1	1	0											2	1	1	0
	Cultivation of table grapes																												c	2	1	1	0							2	1	1	0
	Special methods of grape cultivation																												p	2	0	2	0							2	0	2	0
	Wine tourism																							c	2	1	1	0											2	1	1	
	A total of freely selectable:			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	2	2	0	0	4	1	3	0	0	0	0	0	0	8	3	5	0
	Total specialization:			**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**

Specializations for horticultural sectors - INTEGRATED FRUIT GROWING specialization

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 of apples and berries																							c	2	1	1	0											2	1	1	0
	Cultivation of stone and shell fruits																												c	2	1	1	0							2	1	1	0
	Pruning of fruit trees																												p	2	0	2	0							2	0	2	0
	Fruit storage and commercialization																							c	2	1	1	0											2	1	1	0
	Main specialization in total:			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	2	2	0	0	4	1	3	0	0	0	0	0	0	8	3	5	0

Optional subjects for the INTEGRATED FRUIT GROWING specialization (8 credits)

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
	Dendrology																							c	2	1	1	0											2	1	1	0
	Growing ornamental plants in greenhouses																												c	2	1	1	0							2	1	1	0
	Establishment and maintenance of green surfaces																												p	2	0	2	0							2	0	2	0
	Application of ornamental plants																							c	2	1	1	0											2	1	1	0
	Outdoor cultivation of other vegetable species																							c	2	1	1	0											2	1	1	0
	Precision greenhouse vegetable cultivation																												c	2	1	1	0							2	1	1	0
	Small-scale vegetable cultivation																							c	2	1	1	0											2	1	1	0
	Sustainable vegetable production																												p	2	0	2	0							2	0	2	0
	Knowledge of grape varieties																							c	2	1	1	0											2	1	1	0
	Cultivation of table grapes																												c	2	1	1	0							2	1	1	0
	Special methods of grape cultivation																												p	2	0	2	0							2	0	2	0
	Wine tourism																							c	2	1	1	0											2	1	1	
	A total of freely selectable:			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	2	2	0	0	4	1	3	0	0	0	0	0	0	8	3	5	0
	Total specialization:			**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**

Specializations for the horticultural sectors - VINE GROWING AND WINE TOURISM specialization

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
	Knowledge of grape varieties																							c	2	1	1	0											2	1	1	0
	Cultivation of table grapes																												c	2	1	1	0							2	1	1	0
	Special methods of grape cultivation																												p	2	0	2	0							2	0	2	0
	Wine tourism																							c	2	1	1	0											2	1	1	
	Main specialization in total:			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	2	2	0	0	4	1	3	0	0	0	0	0	0	8	3	5	0

Optional subjects for the VINE GROWING AND WINE TOURISM specialization (8 credits)

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
	Dendrology																							c	2	1	1	0												2	1	1	0
	Growing ornamental plants in greenhouses																												c	2	1	1	0							2	1	1	0
	Establishment and maintenance of green surfaces																												p	2	0	2	0							2	0	2	0
	Application of ornamental plants																							c	2	1	1	0												2	1	1	0
	Outdoor cultivation of other vegetable species																							c	2	1	1	0												2	1	1	0
	Precision greenhouse vegetable cultivation																												c	2	1	1	0							2	1	1	0
	Small-scale vegetable cultivation																							c	2	1	1	0												2	1	1	0
	Sustainable vegetable production																												p	2	0	2	0							2	0	2	0
	Cultivation of apples and berries																							c	2	1	1	0												2	1	1	0
	Cultivation of stone and shell fruits																												c	2	1	1	0							2	1	1	0
	Pruning of fruit trees																												p	2	0	2	0							2	0	2	0
	Fruit storage and commercialization																							c	2	1	1	0												2	1	1	0
	A total of freely selectable:			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	2	2	0	0	4	1	3	0	0	0	0	0	0		8	3	5	0
	Total specialization:			**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	0	0	4	0	p	0	0	4	0																											0	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	1	0		0	0	1	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	1	0	3	0	0	6	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	1	0	0	64	0	22	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					4					2					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**	**15**	**0**	**0**	**29**	**12**	**17**	**0**	**0**	**30**	**9**	**21**	**0**	**0**	**30**	**10**	**17**	**0**	**4**	**30**	**9**	**15**	**0**	**2**	**30**	**9**	**14**	**0**	**0**	**33**	**0**	**1**	**0**	**0**	**210**	**61**	**100**	**0**

altogether: 161 contact les
average number of lesson per w 23 contact les

Total number of hours of contact lesson + exercises: 2415
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