MSc in Horticultural Engineering - Sample Curriculum

Specialisation in Fruit Growing **Full time training**

			Weekly hours			Semester hours											
Semester	**Subject name (Eng)**	**Instructor**	**Theoretical**	**Practical**	**Lab**	**Theoretical**	**Practical**	**Lab**	**Field practice (hours)**	**Field practice (days)**	**Cons**	**Credit**	**Requirement type**	**Subject type**	**Block education**	**Preliminary requirement**	**Comment**
1	Biologically active substances of horticultural crops	Zámboriné Németh Éva	1	0		13	0	13	0	0	2	5	Exam	A	lab	no	project included
1	Plant physiology and plant molecular biology	Papp István	2	0	1	26	0	13	0	0	0	3	Exam	A	no	no	
1	Geobotany and vegetation ecology of plants; adaptation in natural and sinantropic ecosystems	Höhn Mária	2	1	0	26	13	0	0	0	0	5	Report (5)	A	no	no	project included
1	Experimental design and analysis	Ladányi Márta	1	3	0	13	0	39	0	0	4	4	Report (5)	A	no	no	project included
1	Plant molecular genetics and genom editing	Hegedűs Attila	2	0	1	26	0	13	0	0	0	3	Exam	A	no	no	
1	Natural resources and nature protection	Kardos Levente	2	0	0	26	0	0	0	0	0	3	Exam	A	no	no	
1	Thesis preparation 1	According specialisation	0		0	0	52	0	0	0	2	4	Term mark	B	yes	no	project included
			10	**4**	**2**	**130**	**65**	**78**	**0**	**0**	**8**	**27**					
2	Biological and fitotechnical resources of viticulture	Deák Tamás	4	0	0	52	0	0	0	0	2	4	Exam	A	no	no	project included
2	Forcing in soilless systems and cultivar use	Kappel Noémi	4	0	0	52	0	0	8	1	2	4	Exam	A	no	no	project included
2	Up-to date technologies of medicinal plant production	Pluhár Zsuzsanna	2	2	0	26	26	0	8	1	2	4	Exam	A	no	no	project included
2	Modern systems in floriculture	Honfi Péter	2		0	26	26	0	8	1	2	4	Exam	A	no	no	project included
2	Modern fruit growing based on physiology	Szalay László	2	2	0	26	26	0	8	1	2	4	Exam	A	no	no	project included
4	Internship	Zámboriné Németh Éva	0	0	0	0	0	0	160	0	0	5	Term mark	A	yes	no	
2	Thesis preparation 2	According specialisation	0		0	0	52	0	0	0	2	5	Term mark	A	yes	no	
			14	**4**	**0**	**182**	**130**	**0**	**192**	**4**	**12**	**30**					
3	Biology and cultivation of fungi	Geösel András	2	0	0	26	0	0	0	0	0	3	Exam	B	no	no	
3	Winemaking	Nyitrainé Sárdy Diana	2	0	0	26	0	0	0	0	0	3	Exam	B	no	no	
3	Ornamental plants application	Tillyné Mándy Andrea	2	0	0	26	0	0	0	0	0	3	Exam	B	no	no	
3	Medicinal and spice plants in nutrition and therapy	Tavaszi-Sárosi Szilvia	1	1	0	13	13	0	0	0	0	3	Term mark	B	no	no	project included
3	Evaluation of fruit cultivars	Ficzek Gitta	2	0	0	26	0	0	0	0	0	3	Exam	B	no	no	
3	Priciples of plant pathology	Palkovics László	2	2	0	26	26	0	0	0	0	3	Exam	A	no	no	
3	Principles of entomology	Markó Viktor	2	2	0	26	26	0	0	0	0	3	Exam	A	no	no	
3	Specialisation course 1											4	Exam	B		no	
3	Thesis preparation 3	According specialisation	0		0	0	52	0	0	0	2	6	Term mark	A	yes	no	project included
			13	**5**	**0**	**169**	**117**	**0**	**0**	**0**	**2**	**31**					

4	Agrarian law and law in economics	Kator Zoltán	2	0	0	26	0	0	0	0	0	3	Exam	A	no	no	
4	Production ecosystems and forms of their regulation	Bernáth Jenő	2	0	0	26	0	0	0	0	0	3	Exam	A	no	no	project included
4	Technical bases of precision agriculture	Bártfai Zoltán			0	13	13	0	0	0	0	3	Exam	A	yes	no	
4	Food marketing	Szigeti Orsolya	2	0	0	26	0	0	0	0	0	3	Exam	A	no	no	
4	Thesis preparation 4	According specialisation	0		0	0	78	0	0	0	2	10	Term mark	A	yes	no	
3	Specialisation course 2											4	Exam	B		no	
4	Free choice courses											6		C	no	no	
			6	**0**	**0**	**91**	**91**	**0**	**0**	**0**	**2**	**32**					
			43	**13**	**2**	**572**	**403**	**78**	**192**	**4**	**24**	**120**					

3	Propagation biology of ornamental plants	Szabó Veronika	2	1	0	26	13	0	0	0	0	4	Exam	B	no	no	
4	Research strategies in ornamental horticulture	Tillyné Mándy Andrea	2	0	0	26	0	0	0	0	0	4	Term mark	B	no	no	
			2	**1**	**0**	**26**	**13**	**0**	**0**	**0**	**0**	**8**					

3	Special medicinal plant production	Gosztola Beáta	2	0	0	13	13	0	0	0	2	4	Exam	B	no	no	
4	Optimalisation of drug quality	Zámboriné Németh Éva			0	13	13	0	0	0	4	4	Term mark	B	yes	no	project included
			0	**0**	**0**	**13**	**26**	**0**	**0**	**0**	**6**	**8**					

3	Orchards design	Szalay László	0		0	0	26	0	0	0	6	4	Exam	B	yes	no	project included
4	Planning and organisation of integrated crop production in fruit plantations	Szalay László	0		0	0	26	0	0	0	6	4	Term mark	B	yes	no	
			0	**0**	**0**	**0**	**52**	**0**	**0**	**0**	**12**	**8**					

3	Terroirs and ecophysiology in different vine growing countries	Bodor-Pesti Péter		0	0	16	0	0	0	0	0	4	Exam	B	yes	no	
4	Sensory analysis of wine and result evaluation, wine knowledge at international level	Nyitrainé Sárdy Diána		0	0	12	0	0	3	0	0	4	term mark	B	yes	no	
				0	**0**	**28**	**0**	**0**	**3**	**0**	**0**	**8**					

3	Propagation materials of vegetables	Kappel Noémi		0	0	26	0	0	0	1	0	4	Exam	B	yes	no	project included
4	Nutritional role of vegetables	Szabó Anna		0	0	26	0	0	0	1	0	4	Exam	B	yes	no	project included
			0	**0**	**0**	**52**	**0**	**0**	**0**	**2**	**0**	**8**					

1	Thesis preparation 1 Ornamental plants	Honfi Péter	0		0	0	44	0	8	1	2	4	Term mark	A	yes	no	project included
2	Thesis preparation 2 Ornamental plants	Honfi Péter	0		0	0	44	0	8	1	2	5	Term mark	A	yes	no	
3	Thesis preparation 3 Ornamental plants	Honfi Péter	0		0	0	44	0	8	1	2	6	Term mark	A	yes	no	project included
4	Thesis preparation 4 Ornamental plants	Honfi Péter	0		0	0	70	0	8	1	2	10	Term mark	A	yes	no	
			0	**0**	**0**	**0**	**158**	**0**	**24**	**3**	**6**	**25**					
1	Thesis preparation 1 Medicinal plants	Tavaszi-Sárosi Szilvia	0		0	0	44	0	8	1	2	4	Term mark	A	yes	no	project included
2	Thesis preparation 2 Medicinal plants	Tavaszi-Sárosi Szilvia	0		0	0	44	0	8	1	2	5	Term mark	A	yes	no	
3	Thesis preparation 3 Medicinal plants	Tavaszi-Sárosi Szilvia	0		0	0	44	0	8	1	2	6	Term mark	A	yes	no	project included
4	Thesis preparation 4 Medicinal plants	Tavaszi-Sárosi Szilvia	0		0	0	70	0	8	1	2	10	Term mark	A	yes	no	
			0	**0**	**0**	**0**	**202**	**0**	**32**	**4**	**8**	**25**					
1	Theis preparation 1 Fruit bearing plants	Szalay László	0		0	0	44	0	8	1	2	4	Term mark	A	yes	no	project included
2	Theis preparation 2 Fruit bearing plants	Szalay László	0		0	0	44	0	8	1	2	5	Term mark	A	yes	no	
3	Theis preparation 3 Fruit bearing plants	Szalay László	0		0	0	44	0	8	1	2	6	Term mark	A	yes	no	project included
4	Theis preparation 4 Fruit bearing plants	Szalay László	0		0	0	70	0	8	1	2	10	Term mark	A	yes	no	
			0	**0**	**0**	**0**	**202**	**0**	**32**	**4**	**8**	**25**					
1	Theis preparation 1 Viticulture and Oenology	Varga Zsuzsanna	0		0	0	44	0	8	1	2	4	Term mark	A	yes	no	project included
2	Theis preparation 2 Viticulture and Oenology	Bodor-Pesti Péter	0		0	0	44	0	8	1	2	5	Term mark	A	yes	no	
3	Theis preparation 3 Viticulture and Oenology	Fazekas István	0		0	0	44	0	8	1	2	6	Term mark	A	yes	no	project included
4	Theis preparation 4 Viticulture and Oenology	Deák Tamás	0		0	0	70	0	8	1	2	10	Term mark	A	yes	no	
			0	**0**	**0**	**0**	**202**	**0**	**32**	**4**	**8**	**25**					
1	Thesis preparation 1 Vegetables	Kappel Noémi	0		0	0	52	0	0	0	2	4	Term mark	A	yes	no	project included
2	Thesis preparation 2 Vegetables	Kappel Noémi	0		0	0	52	0	0	0	2	5	Term mark	A	yes	no	
3	Thesis preparation 3 Vegetables	Kappel Noémi	0		0	0	52	0	0	0	2	6	Term mark	A	yes	no	project included
4	Thesis preparation 4 Vegetables	Kappel Noémi	0		0	0	78	0	0	0	2	10	Term mark	A	yes	no	
			0	**0**	**0**	**0**	**234**	**0**	**0**	**0**	**8**	**25**					