DETERMINATION OF CREDITS COURSES NEMATOLOGY

Course	CLO	CLO 1.1	Learning Methods	Study Materials	Study Hours		Ska/Cradita
					Т	Р	Sks/Credits
Plant Nematology	Master the substantive theory of agricultural nematology regarding the definition of nematodes and the environment that influences nematode metabolism, reproduction and growth	Definition of nematodes and their role in agroecosystems	Face to Face, Structure Assignment, Independent Study	 Definition of nematodes The role and importance of nematode management in agroecosystems 	7	0	0,15
	Be able to categorize and compare the morphological and physiological characteristics of nematodes	Morphological structure, and classification of nematodes	Face to Face, Structure Assignment, Independent Study	 Nematode morphology Life cycle of nematodes Classification of nematodes 	14	0	0,31
		Organs and organ systems of nematodes	Face to Face, Structure Assignment, Independent Study	 Nematode digestive system Nematode respiratory system Nematode nervous system Biosynthesis in nematode metabolism Nematode survival strategies 	14	0	0,31
		Nematodes as plant pathogens and control of plant pathogenic nematodes	Face to Face, Structure Assignment, Independent Study, Practicum	 Typical characteristics of phytopathogenic nematodes Symptoms and signs of phytopathogenic nematode attacks Types of strategies for controlling phytopathogenic nematodes 	14	0	0,31
	Able to apply basic techniques for analyzing and calculating nematode populations	The influence of biotic and abiotic factors on the reproductive system, growth & development of nematodes	Face to Face, Structure Assignment, Independent Study, Practicum	 Phases of reproduction, growth and development of nematodes The influence of biotic and abiotic factors on reproduction, growth and development of nematodes 	14	0	0,31
		Plant pathogenic nematode isolation laboratory techniques	Face to Face, Structure Assignment, Independent Study, Practicum	 Nematode exploration techniques Nematode sampling technique Extraction tray method Root maceration method Sieving method Incubation method Nematode staining technique Nematode identification techniques Nematode counting techniques 	7	14	0,65

		Entomopathogenic nematode propagation techniques	Face to Face, Structure Assignment, Independent Study, Practicum	 Typical characteristics of biocontrol agent nematodes Types of strategies for using nematodes as biocontrol agents 	7	0	0,15
	Implementing agricultural nematology science to solve	Diagnostic technique of plant pathogenic nematode	Face to Face, Structure Assignment, Independent Study, Practicum	Techniques for analyzing nematode damage to plants	7	7	0,40
	biotechnology, food and the environment	Nematodes as biocontrol agents and their use in agroecosystems	Face to Face, Structure Assignment, Independent Study, Practicum	Entomopathogenic nematode propagation techniques	7	7	0,40
				Total Hours	91	28	3,00
	sks/credit Theory		(Total Hours for Theory × 1 sks)/(2.83 × 16)	SKS Theory			2,01
			(Total Hours for	-			
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	sks/credit Practicum/field work		× 10)	SKS Practicum			

Notes: T = Theory P = Practicum/Field Work 1 SKS/Credit = 170 minutes = 2,83 hours

1 Semeter = 16 Face Times 1 Semeter = 16 Face Times The study time required for students to achieve CLO at each learning stage is determined by the lecturer/lecturer team based on their experience in teaching the course. Total Course SKS/Credits = Theory + Practicum/field work