



DEPARTMENT OF AGRICULTURE
SCHOOL OF AGRICULTURAL SCIENCES

1st SEMESTER					
COURSE		Hours/Week			ECTS
		Theory (T)	Practical Session (PS)	LAB (L)	
CODE	Core Compulsory				
0810.1.001.0	Introduction to Agricultural Sciences	3			4
0810.1.002.0	Plant Morphology & Anatomy	3		2	6
0810.1.003.0	General Chemistry	3		2	6
0810.2.001.0	Genetics	3	1		5
0810.1.005.0	Computer Applications in Agriculture	2		2	4
0810.1.006.0	Applied Mathematics and Statistics in Agricultural Sciences	3	1		5
		17	2	6	30
	Optional				
0810.1.007.0	Foreign Language I	2			2
2nd SEMESTER					
COURSE		Hours/Week			ECTS
		T	PS	L	
CODE	Core Compulsory				
0810.2.002.0	Research Methodology and Academic Writing in Agricultural Sciences	3	1		5
0810.8.0019.0	Agronomy	3	1		4
0810.3.003.0	Agricultural Engineering	3		2	5
0810.2.004.0	Plant systematics	3		2	5
0810.2.005.0	Microbiology	3		2	5
0810.1.004.0	Organic Chemistry	3		2	6
		18	2	8	30
	Optional				
0810.2.007.0	Foreign Language II	2	1		2
3rd SEMESTER					
COURSE		Hours/Week			ECTS
		T	PS	L	
CODE	Core Compulsory				
0810.3.001.0	Plant Physiology	3		2	5
0810.3.002.0	Agricultural Entomology	3		2	5
0810.2.003.0	Agricultural Meteorology	3	1	1	4
0810.2.006.0	Biochemistry	3		2	6
0810.3.005.0	Soil Science	3		2	5
0810.3.006.0	Field Crops I	3		2	5
		18	1	11	30
4th SEMESTER					
COURSE		Hours/Week			ECTS



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		T	PS	L	
CODE	Core Compulsory				
0810.4.002.0	Pomology	3		2	5
0810.4.003.0	Introduction to Vegetable Crops	3		2	5
0810.4.004.0	Molecular Biology & Biotechnology	3		2	5
0810.4.005.0	Agricultural Hydraulics I	3	1	1	5
0810.4.006.0	Ecology	3		2	5
0810.6.006.0	Floriculture	3		2	5
		18	1	11	30
5th SEMESTER					
COURSE		Hours/Week			ECTS
		T	PS	L.	
CODE	Core Compulsory				
0810.4.001.0	Plant Pathology	3		2	6
0810.7.002.0	Viticulture	3		2	5
0810.5.004.0	Major Vegetable Crops	3		2	5
0810.5.005.0	Physiology of Plant Growth and Development	3		2	5
0810.5.006.0	Plant Breeding	3		2	5
0810.3.004.0	Principles of Agricultural Economy and Policy	3	1		4
		18	2	9	30
6th SEMESTER					
COURSE		Hours/Week			ECTS
		T	PS	L.	
CODE	Core Compulsory				
0810.6.005.0	Pesticides Science	3		2	5
0810.6.002.0	Postharvest Physiology and Technology	3		2	4
0810.6.003.0	Plant Nutrition- Soil Fertility	3		2	4
0810.6.009.0	Mediterranean Tree Crops	3		2	5
0810.6.007.0	Soil Microbiology	3		2	4
0810.6.008.0	Diseases of fruit trees and grapevine	3		2	5
0810.9.002.0	Marketing of Agricultural Products	3	1		3
		21	1	12	30
0810.9.009.0	Internship				10
From the 7th SEMESTER onwards, students choose one of the following 3 Options of Specialized Studies					
DIVISION A: PLANT PROTECTION AND BIOTECHNOLOGY APPLICATIONS					
7th SEMESTER - DIVISION A: Plant Protection and Biotechnology Applications					
COURSE		Hours/Week			ECTS
		T	PS	L.	
CODE	Core Compulsory				



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0810.6.001.0	Advanced Courses in Agricultural Entomology	3		2	5
0810.5.003.0	Agricultural Waste Management	3		2	5
		6		4	10
CODE	Oriental Compulsory				
0810.8.006.0	Diseases of Horticultural and Floricultural Crops	3		2	5
08109.004.0	Advanced Topics in Biotechnology	3		2	5
		6		4	10
CODE	Oriental Compulsory of Choice (1 to 2 courses are chosen)				
0810.7.009.0	Novel Technologies in Plant Breeding	3	1		5
0810.7.021.0	Sustainable Management of Biotic Resources in Agriculture	3	1		5
CODE	Oriental Compulsory or Oriental Compulsory of Choice or Free Choice (up to 1 course is chosen)				
	<i>A course is chosen from Oriental Compulsory or Oriental Compulsory of Choice courses of the same or other Divisions or from the Free of Choice courses</i>				
	Total Courses: 6				30
8th SEMESTER - DIVISION A: Plant Protection and Biotechnology Applications					
COURSE		Hours/Week			ECTS
		T	PS	L.	
CODE	Core Compulsory				
0810.9.001.0	Apiculture	3		2	5
0810.8.002.0	Geographic Information Systems and Remote Sensing Applications in Agriculture	3	1	1	5
		6	1	3	10
CODE	Oriental Compulsory				
0810.7.008.0	Advanced Topics in Plant Protection	3		2	5
		3		2	5
CODE	Oriental Compulsory of Choice (1 to 3 courses are chosen)				
0810.8.007.0	Plant Stress Physiology	3		2	5
0810.8.008.0	Phytopathology Diagnostics - Advanced Topics in Phytopathology	3		2	5
0810.8.022.0	Field Crop Diseases	3		2	5
CODE	Oriental Compulsory or Oriental Compulsory of Choice or Free Choice (up to 2 courses are chosen)				
	<i>Courses are chosen from Oriental Compulsory or Oriental Compulsory of Choice courses of the same or other Divisions or from the Free of Choice courses</i>				
	Total Courses: 6				30



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0810.9.009.0	Internship				10
9th SEMESTER - DIVISION A: Plant Protection and Biotechnology Applications					
COURSE		Hours/Week			ECTS
		T	PS	L	
CODE	Core Compulsory				
0810.8.001.0	Quality and Certification Systems of Agricultural Production	3	1		5
0810.5.001.0	Organic Farming	3	1		5
		6	2		10
CODE	Orientalional Compulsory				
0810.7.007.0	Agricultural Zoology	3		2	5
		3		2	5
CODE	Orientalional Compulsory or Orientalional Compulsory of Choice or Free Choice (3 courses are chosen)				
	<i>Courses are chosen from Orientalional Compulsory or Orientalional Compulsory of Choice courses of the same or other Divisions or from the Free of Choice courses</i>				
	Total Courses: 6				30
From the 7th SEMESTER onwards, students choose one of the following 3 Options of Specialized Studies					
DIVISION 'B: UTILIZATION OF NATURAL RESOURCES					
7th SEMESTER - DIVISION 'B: Utilization of Natural Resources					
COURSE		Hours/Week			ECTS
		T	PS	L.	
CODE	Core Compulsory				
0810.6.001.0	Advanced Entomology	3		2	5
0810.5.003.0	Agricultural Waste Management	3		2	5
		6		4	10
CODE	Orientalional Compulsory				
0810.7.003.0	Geology - Hydrogeology	3		2	5
0810.7.004.0	Hydro-meteorology and Climate Change	3	1		5
		6	1	2	10
CODE	Orientalional Compulsory of Choice (1 or 2 courses are chosen)				
0810.7.005.0	Agricultural Hydraulics II	3	1		5
0810.8.005.0	Application of Computational Methods in Agriculture	3	2		5
CODE	Orientalional Compulsory or Orientalional Compulsory of Choice or Free Choice (up to 1 course is chosen)				
	<i>A course is chosen from Orientalional Compulsory or Orientalional Compulsory of Choice courses of the same or other Divisions or from the Free of Choice courses</i>				
	Total Courses: 6				30
8th SEMESTER - DIVISION 'B: Utilization of Natural Resources					
COURSE		Hours/Week			ECTS
		T	PS	L.	



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CODE	Core Compulsory				
0810.9.001.0	Apiculture	3		2	5
0810.8.002.0	Geographic Information Systems and Remote Sensing Applications in Agriculture	3	1	1	5
		6	1	3	10
CODE	Orientalional Compulsory				
0810.8.003.0	Greenhouse Constructions and Equipment	3		2	5
		3		2	5
CODE	Orientalional Compulsory of Choice (1 or 2 courses are chosen)				
0810.8.004.0	Renewable Energy Sources in Agriculture	3		2	5
0810.7.006.0	Wastewater Treatment and Reuse	3		2	5
CODE	Orientalional Compulsory or Orientalional Compulsory of Choice or Free Choice (up to 2 courses are chosen)				
	<i>Courses are chosen from Orientalional Compulsory or Orientalional Compulsory of Choice courses of the same or other Divisions or from the Free of Choice courses</i>				
	Total Courses: 6				30
0810.9.009.0	Internship				10
9th SEMESTER - DIVISION 'B: Utilization of Natural Resources					
COURSE		Hours/Week			ECTS
		T	PS	L.	
CODE	Core Compulsory				
0810.8.001.0	Quality and Certification Systems of Agricultural Production	3	1		5
0810.5.001.0	Organic Farming	3	1		5
		6	2		10
CODE	Orientalional Compulsory				
0810.9.003.0	Water Resources Management	3		2	5
		6		2	5
CODE	Orientalional Compulsory or Orientalional Compulsory of Choice or Free Choice (3 courses are chosen)				
	<i>Courses are chosen from Orientalional Compulsory or Orientalional Compulsory of Choice courses of the same or other Divisions or from the Free of Choice courses</i>				
	Total Courses: 6				
From the 7th SEMESTER onwards, students choose one of the following 3 Options of Specialized Studies					
DIVISION 'C: HORTICULTURE					
7th SEMESTER - DIVISION 'C: Horticulture					
COURSE		Hours/Week			ECTS
		T	PS	L.	
CODE	Core Compulsory				



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0810.6.001.0	Advanced Entomology	3		2	5
0810.5.003.0	Agricultural Waste Management	3		2	5
		5		4	10
CODE	Oriental Compulsory				
0810.7.011.0	Deciduous Fruit Trees	3		2	5
0810.7.019.0	Landscape Architecture	3	1	1	5
		5	1	3	10
CODE	Oriental Compulsory of Choice (1 or 2 courses are chosen)				
0810.7.014.0	Agroecology	3		2	5
0810.8.016.0	Landscape and Ornamental Outdoor Plants	3		2	5
CODE	Oriental Compulsory or Oriental Compulsory of Choice or Free Choice (up to 1 course is chosen)				
	<i>A course is chosen from Oriental Compulsory or Oriental Compulsory of Choice courses of the same or other Divisions or from the Free of Choice courses</i>				
	ΣΥΝΟΛΟ COURSETΩΝ: 6				30
8th SEMESTER - DIVISION 'C: Horticulture					
COURSE		Hours/Week			ECTS
		T	PS	L.	
CODE	Core Compulsory				
0810.9.001.0	Apiculture	3		2	5
0810.8.002.0	Geographic Information Systems and Remote Sensing Applications in Agriculture	3	1	1	5
		5		4	10
CODE	Oriental Compulsory				
0810.8.009.0	Advanced Viticulture	3		2	5
		3		2	5
CODE	Oriental Compulsory of Choice (1 or up to 3 courses are chosen)				
0810.8.011.0	Commercial Floriculture	3		2	5
0810.9.005.0	Advances in Vegetable Production	3		2	5
0810.8.024.0	Oliviculture	3		2	5
0810.8.021.0	Landscape Design and constructions	2		3	5
CODE	Oriental Compulsory or Oriental Compulsory of Choice or Free Choice (up to 2 courses are chosen)				
	<i>Courses are chosen from Oriental Compulsory or Oriental Compulsory of Choice courses of the same or other Divisions or from the Free of Choice courses</i>				
	Total Courses: 6				30
0810.9.009.0	Internship				10
9th SEMESTER - DIVISION 'C: Horticulture					
COURSE		Hours/Week			ECTS
		T	PS	L.	
CODE	Core Compulsory				



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0810.8.001.0	Quality and Certification Systems of Agricultural Production	3	1		5
0810.5.001.0	Organic Farming	3	1		5
		6	2		10
CODE	Oriental Compulsory				
0810.8.010.0	Aromatic and Medicinal Plants	3		2	5
		3		2	5
	Oriental Compulsory or Oriental Compulsory of Choice or Free Choice (3 courses are chosen)				
	<i>Courses are chosen from Oriental Compulsory or Oriental Compulsory of Choice courses of the same or other Divisions or from the Free of Choice courses</i>				
	Total Courses: 6				30
COURSES OF FREE CHOICE					
7th SEMESTER: Courses of Free Choice					
COURSE		Hours/Week			ECTS
		T	PS	L.	
CODE					
0810.7.016.0	Food Microbiology	2		2	5
0810.8.014.0	Food Chemistry	2		2	5
0810.7.020.0	Agrophysics	3	1		5
0810.7.018.0	Soilless cultivation systems	2		2	5
8th SEMESTER: Courses of Free Choice					
COURSE		Hours/Week			ECTS
		T	PS	L.	
CODE					
0810.7.017.0	Field Crops II	2		2	5
0810.8.012.0	Processing of agricultural food Products	2		2	5
0810.8.013.0	Environmental Changes and Food Systems	3	1		5
0810.8.023.0	Food Quality Control	2		2	5
0810.8.017.0	Soil Management	2		2	5
0810.9.007.0	In Vitro Plant Tissue Culture	2		2	5
9th SEMESTER: Courses of Free Choice					
COURSE		Hours/Week			ECTS
		T	PS	L.	
CODE					
0810.8.015.0	Plant Propagation	2		2	5
0810.5.002.0	Weed Science	3	1		5
0810.8.020.0	Ecosystem Management	3	1		5
0810.9.012.0	Tropical and Subtropical Fruit Trees	3		2	5
0810.9.010.0	Urban Green Design and Management	3		2	5



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0810.9.008.0	English Agricultural Terminology	2	2		5
0810.9.011.0	Plant Virology	2		2	5
10o SEMESTER					
COURSE		Hours/Week			ECTS
		T	PS	L.	
CODE	Core Compulsory				
	Diploma Thesis				30
					30
Total Courses: 43 Core Compulsory + 12 Specialization					