

2nd cycle curriculum Engineer in "Agricultural Sciences"

Speciality: Plant Protection

Semester S1

Teaching Units	SVH 15 Weeks	Weekly V H			Others	Coef	Credits	Mode of evaluation	
		Course	T	PW				CC	EXAM
Fundamental TU									
FTU1.1. (Obligatory)									
Animal Production 1	45h	1h30	1h30		50h	2	4	40%	60%
Plant's Protection 1 (zoo phytiatric)	45h	1h30		1h30	55h	2	4	40%	60%
UEF1.2. (Obligatory)									
Agri-food Industry Technology	45h	1h30		1h30	50h	2	4	40%	60%
Pedology	67h30	1h30	1h30	1h30	70h	3	6	40%	60%
Methodology TU									
MTU1(Obligatory)									
Cultural practices	26h15	0h45		1h	30h	1	2	40%	60%
Farming equipment	26h15	0h45		1h	30h	1	3	40%	60%
Biometrics	30h	1h30	0h30		22h30	2	2	40%	60%
Agro-ecosstems	22h30	1h30			30h	1	2		
Discovery TU									
DTU1 (Obligatory)									
Forester, steppic and saharan Ecosystems	22h30	1h30			15h	1	1		100%
Systemic Approach in agriculture	22,h30	1h30			10h	1	1		100%
Transversal TU									
TTU1(Obligatory)									
General Economy and Entrepreneurship	22h30	1h30			12h30	1	1	100%	
Total semester S1	375	225	48,75	101,25	375	17	30		

Semester S2

Teaching Units	SVH 15 Weeks	Weekly V H			Others	Coef	Credits	Mode of evaluation	
		Course	T	PW				CC	EXAM
Fundamental TU									
FTU2.1. (Obligatory)									
Animal Production 2	45h	1h30	1h30		50h	2	4	40%	60%
Plant's Protection 2 (Phytopathology)	45h	1h30		1h30	55h	2	4	40%	60%
FTU2.2. (Obligatory)									
Human Nutrition and Quality of food	45h	1h30		1h30	50h	2	4	40%	60%
General Hydraulics, irrigation and drainage	67h30	1h30	1h30	1h30	70h	3	6	40%	60%
Methodology TU									
MTU2(Obligatory)									
Introduction to Improving plants	22h30	1h30			30h	1	2		
Cropping Systems 1 (Cultivated herbaceous species)	26h15	0h45		1h	30h	1	2	40%	60%
Cropping Systems 2 (Arboriculture and viticulture)	26h15	0h45		1h	22h30	1	2	40%	60%
Bioclimatology; Water Resources and Agriculture	30h	1h30	0h 30		30h	2	3		
Discovery TU									
DTU2 (Obligatory)									
Food Biotechnology	22h30	1h30			15h	1	1	100%	
Weed science	22,h30	1h30			10h	1	1	100%	
U E transversales									
TTU2(Obligatory)									
Agricultural Economy	22h30	1h30			12h30	1	1	100%	
Total semester S2	375	225	48,7 5	101,25	375	17	30		

Semester3

Teaching Units	SVH 15 Weeks	Weekly V H				Coef	Credits	Mode of evaluation	
		Course	T	PW	Others			CC	EXAM
Fundamental TU									
FTU3.1. (Obligatory)									
Anatomy and physiology of insect pests	67 h 30	3 h		1h30	50 h	3	5	40%	60%
Biosystematics and bioecology of insect mites	67 h 30	3 h		1 h 30	50 h	2	5	40%	60%
FTU3.2. (Obligatory)									
Agricultural Malacology	22 h 30	1 h 30			40 h	2	4	40%	60%
Agricultural and forestry ornithology	45 h	1 h 30		1 h 30	40 h	2	4	40%	60%
Methodology TU									
MTU3(Obligatory)									
Geographic Information System	22 h 30	1 h 30			15 h	1	2		100%
General Phytopharmacy	45 h	1 h 30	1 h 30		40 h	2	4	40%	60%
Soil biology	37 h 30	1 h 30		1h	40 h	2	3	40%	60%
Discovery TU									
DTU3(Obligatory)									
Ethics and professional ethics	22 h30	1h30			30 h	1	1	100 %	
Molecular biology	22 h30	1h30			40 h	1	1	40%	60%
Transversal TU									
TTU3(Obligatory)									
Business Management & Project Analysis investment	22 h 30	1 h 30			30 h	1	1	100 %	
Total Semester S3	375 h	18 h	1h30	5h30	375	17	30		

Semester S4

Teaching Units	SVH 15 Weeks	Weekly V H				Coef	Credits	Mode of evaluation	
		Course	T	PW	Others			CC	EXAM
Fundamental TU									
FTU4.1. (Obligatory)									
Fight methods	67 h 30	1 h 30	1 h 30	1 h 30	50 h	3	5	40%	60%
General and Applied Nematology	45 h	1 h 30		1 h 30	50 h	2	5	40%	60%
FTU4.2. (Obligatory)									
Agricultural and forestry mammalogy	45 h	1 h 30		1 h 30	40 h	2	4	40%	60%
Parasitology	45 h	1 h 30		1 h 30	40 h	2	4	40%	60%
Methodology TU									
MTU4(Obligatory)									
Forest arthropodology	28 h 30	1 h 30		0 h24	15 h	2	3	40%	60%
Acridology	45 h	1 h 30		1 h 30	40 h	2	4	40%	60%
Special Acarology	31 h 30	1 h 30		0h36	40 h	1	2	40%	60%
Discovery TU									
DTU4(Obligatory)									
Aquatic ecology	22 h30	1h30			30 h	1	1	40%	60%
Plant ecology	22 h 30	1 h 30			40 h	1	1		100%
Transversal TU									
TTU4(Obligatory)									
Agrometeorology	22 h 30	1 h 30			30 h	1	1		100%
Total Semester S4	375 h	15h	1h30	8h30	375 h	17	30		

Semester S5

Teaching Units	SVH 15 Weeks	Weekly V H				Coef	Credits	Mode of evaluation	
		Course	T	PW	Others			CC	EXAM
Fundamental TU									
UEF5.1. (Obligatoire)									
Integrated pest management in agriculture	67 h 30	3 h	1 h 30		82 h	3	6	40%	60%
Ecotoxicology	67 h 30	3 h	1 h 30		82 h	3	6	40%	60%
UEF5.2. (Obligatoire)									
Processing equipment	67 h 30	3 h		1 h 30	83 h	3	6	40%	60%
UE méthodologie									
UEM5(Obligatoire)									
Plant Protection Methodology	45 h	1 h 30	1 h 30		45 h	2	3	40%	60%
Biodiversity and conservation strategies	37 h 30	1 h 30		1 h	45 h	2	3	40%	60%
New Technologies for Integrated Pest Management	22 h 30	1 h 30			30	1	3	100%	
UE découverte									
UED5(Obligatoire)									
Phytosanitary legislation	22 h 30	1 h 30			5 h	1	1	40%	60%
Introduction to bibliographic research	22 h 30	1 h 30				1	1	100%	
U E transversales									
UET5(Obligatoire)									
Application of artificial intelligence in plant protection	22 h 30	1 h 30			3 h	1	1	40%	60%
Total Semester S5	375 h	18h	4h30	2h30	375 h	25	30		

Semester 6:

Field: Natural and Life Sciences

Branch: Agricultural Sciences

Specialty: Plant Protection

Internship in a company sanctioned by a thesis and a defense.

	SVH	Coeff	Credits
Internship in a company (FTU) (Practical internship + defense)	450h	9	18
Personal Work (MTU) (Exploitation of the results + Writing)	225h	5	09
Seminars (DTU, TTU)	75h	3	03
Total Semester 6	750h	17	30
