

PEOPLE'S DEMOCRATIC REPUBLIC OF ALGERIA

**MINISTRY OF HIGHER EDUCATION
AND SCIENTIFIC RESEARCH**

HARMONIZATION MASTER'S COURSES

ACADEMIC

Establishment	Faculty / Institute	Department
Hassiba Benbouali University - Chlef	Natural and life sciences	Water environment and sustainable development

Field: Natural and life sciences

Branch : Ecology and Environment

Specialty: Biodiversity and Environment

Academic year: 2016 / 2017

II - Semester organization chart

(Please present all 4 semester cards)

1- Semester 1 :

Teaching Unit	VHS	V.H weekly				Coeff	Credits	Evaluation mode	
	14-16 wks	CM	TD	TP	Other			Continuous	Review
Fundamental EU									
UEF1(O/P)									
Ecosystem functioning	67 h30	3 h	1h30		82h30	3	6	2	1
Diversity of Mediterranean ecosystems	67 h30	1h30	1h30	1h30	82h30	3	6	2	1
UEF2(O/P)									
Soil and Degradation	1h3067	3h	1h30		82h30	3	6	2	1
EU methodology									
UEM1(O/P)									
Spatial analysis and remote sensing	60h	1h30	1h30	1h	65h	3	5	2	1
Digital ecology	45h	1h30		1h30	55h	2	4	2	1
EU discovery									
UED1(O/P)									
Environmental economics	45 h	1h 30	1h 30		5h	2	2	2	1
Cross-disciplinary courses									
UET1(O/P)									
communication	22h30	1h30			2h30	1	1	2	1
Total Semester 1	375 h	13h30	7h30	4h	375h	17	30		

2- Semester 2 :

Teaching Unit	VHS	V.H weekly				Coeff	Credits	Evaluation mode	
	14-16 wks	CM	TD	TP	Other			Continuous	Review
Fundamental EU									
UEF1(O/P)									
Bio pollution indicators	67 h30	1h30	1h30	1h30	82h30	3	6	2	1
Ecotoxicology	67 h30	1h30	1h30	1h30	82h30	3	6	2	1
UEF2(O/P)									
Biodiversity and Conservation Biology	67 h30	3h	1h30		82h30	3	6	2	1
EU methodology									
UEM1(O/P)									
Analysis techniques	60h	1h30	1h30	1h	65h	3	5	2	1
Biodiversity assessment methods	45h	1h30	1h30		55h	2	4	2	1
EU discovery									
UED1(O/P)									
Microbial ecology	22h30	1h 30			2h30	1	1	2	1
Cross-disciplinary courses									
UET1(O/P)									
English	22h30	1h 30			2h30	1	1		
Environmental legislation	22h30	1h 30			2h30	1	1	2	1
Total Semester 2	375 h	13h30	7h30	4h	375h	17	30		

3-Semester 3 :

Teaching Unit	VHS	V.H weekly				Coeff	Credits	Evaluation mode	
	14-16 wks	CM	TD	TP	Other			Continuous	Review
Fundamental EU									
UEF1(O/P)									
Environmental monitoring and toxicological risk analysis	67 h30	3h	1h30		82h30	3	6	2	1
Biogeochemical cycles and global change	45h	1h30		1h30	55h	2	4	2	1
UEF2(O/P)									
Restoration ecology	45h	1h30	1h30		55h	2	4	2	1
Assessment and impact of pollution on the environment	45h	1h30	1h30		55h	2	4		
EU methodology									
UEM1(O/P)									
Introduction to Geostatistics	60 h	1h30	1h30	1 h	65h	3	5	2	1
Biological control	45 h	1h30		1h30	55h	2	4	2	1
EU discovery									
UED1(O/P)									
Project management	45 h	1h30	1h30		5	2	2	2	1
Cross-disciplinary courses									
UET1(O/P)									
Entrepreneurship	22h30	1h30			2h30	1	1	2	1
Total Semester 3	375h	13h30	7h30	4h	375h	17	30		

4- Semester 4 :

Domain Natural and life sciences

Specialization Biodiversity and Environment

In-company internship culminating in a dissertation and oral presentation.

	VHS	Coeff	Credits
Personal work	225	9	18
Internship	150	6	12
Seminars			
Other (please specify)			
Total Semester 4	375	15	30

5- Overall summary of training: (indicate the overall VH separated into courses, TD, for the 04 teaching semesters, for the different types of UE)

VH \ EU	UEF	UEM	UED	UET	Total
Courses	315	135	67.5	90	607.5
TD	202.5	90	45	-	337.5
TP	90	90	-	-	180
Personal work	942.5	360	12.5	10	1325
Internship		150			150
Total	1550	825	125	100	2600
Credits	72	38	6	4	120
% in credits for each EU	60%	31.67%	5%	3.33%	100%