

MASTER TRAINING

Establishment	Faculty / Institute	Department
Djillali Bounaama University of Khemis Meliana	Nature and Life Sciences, and Earth Sciences	Biology

Domain : Nature and Life Sciences

Sector : Biological Sciences

Speciality : Applied Microbiology

1- Semester 1 :

Unit of Teaching	VHS	VH weekly				coeffi cient	Credits	Evaluation method	
	14-16 week	Course	TD	TP	Work staff*			Continued	Exam
EU fundamental									
UTF1(O/P)									
Matter 1 : Agri-food Microbiology	67:30	3:00		1h30	82:30	03	06	+	+
UTF2(O/P)									
Matter 1 : Industrial Microbiology	67:30	3:00		1h30	82:30	03	06	+	+
Matter 2 : Enzyme engineering	67:30	3:00	1h30		82:30	03	06	+	+
TU methodology									
UTM1(O/P)									
Matter 1 : Biostatistics	60:00	1h30	1h30	1h00	65:00	03	05	+	+
Matter 2 : Analytic Toxicology	45:00	1h30	1h30		55:00	03	04	+	+
TU discovery									
UTD1(O/P)									
Matter 1: Introduction to scientific research	45:00	1h30	1h30		05:00	02	02	+	+
TU transverse									
UTT1(O/P)									
Matter 1 : Entrepreneurship and management of project	10:30 p.m.	1h30			2h30	01	01	+	+
Total Semester 1	375h00	3:00 p.m.	6:00 am	4:00 am	375h00	18	30		

***= Personal work / semester2-
Semester 2 :**

Unit of Teaching	VHS	VH weekly				coeffi cient	Credits	Evaluation method	
	14-16 weeks	Course	TD	TP	Others*			Continu ed	Exam
TU fundamental									
UTF1 (O/P)									
Matter 1 : Medical microbiology	67:30	3:00		1h30	82:30	03	06	+	+
UTF2 (O/P)									
Matter 1 : Microbial ecology	67:30	3:00		1h30	82:30	03	06	+	+
Matter 2 : Genetic engineering and molecular biology	67:30	3:00	1h30		82:30	03	06	+	+
TU methodology									
UTM1 (O/P)									
Matter 1 : Validation of analytical methods in microbiology	60:00	1h30	1h30	1h00	65:00	03	05	+	+
Matter 2 : Cellular Culture	45:00	1h30		1h30	55:00	03	04		
TU discovery									
UTD1 (O/P)									
Matter 1 : Scientific English	45:00	1h30	1h30		05:00	02	02	+	+
TU transverse									
UTT1(O/P)									
Matter 1 : Legislation and regulations	10:30 p.m.	1h30			02:30	01	01	+	+
Total Semester 2	375h00	3:00 p.m.	04:30	05:30	375h00	18	30		

***= work staff/ semester**

3- Semester 3:

Unit of Teaching	VHS	VH weekly				coeffic ient	Credits	Evaluation method	
	14-16 week	Course	TD	TP	Others*			Continued	Exam
EU fundamental									
UTF1(O/P)									
Matter 1 : Applied microbiology and environmental	67:30	3:00		1h30	82:30	03	06	+	+
UTF2(O/P)									
Matter 1 : Microbial interaction	67:30	3:00		1h30	82:30	03	06	+	+
Matter 2 : Applied Microbiology and Analysis of microbial biodiversity	67:30	3:00		1h30	82:30	03	06	+	+
TU methodology									
UTM1(O/P)									
Matter 1: Epidemiology	60:00	3:00		1h00	65:00	03	05	+	+
Material2 : Bioinformatics	45:00	1h30		1h30	55:00	03	04	+	+
TU discovery									
UTD1 (O/P)									
Material1 : : Professional insertion and preparation to internships	45:00	1h30	1h30		05:00	02	02	+	+
TU transversal									
UTT1 (O/P)									
Matter 1: Techniques of communication	10:30 p.m.	1h30			02:30	01	01	+	+
Total Semester 3	375h00	3:00 p.m.	01:30	07:00	375h00	18	30		

***= Work staff**

4- Semester 4 :

Domain : Science of Nature And
LifeSector : Science Organic
Speciality : Applied Microbiology Master

Internship in business sanctioned by a memory and an defense.

	VHS	coeffi cient	Credits
Work Staff			
Internship in business			
Seminars			
Other (memory)	375h00		30
Total Semester 4	375h00		30