

REPUBLIC ALGERIAN DEMOCRATIC AND POPULAR

**MINISTRY OF TEACHING HIGHER EDUCATION
AND SCIENTIFIC RESEARCH**

OFFER OF TRAINING

LMD

MASTER ACADEMIC

Establishment	Faculty / Institute	Department
Mentouri Brothers Constantine 1 University	Natural and Life Sciences	Microbiology

Field: Natural and Life Sciences

Sector: Biological Sciences

Specialty: Applied Microbiology

Academic year: 2022-2023

Establishment : University Brothers Mentouri Constantine 1

Titled of master : Microbiology Applied

Academic year: 2022-2023

1- Semester 1 :

Unit Teaching	VHS	VH weekly				Coeffi cient	Credits	Assessment method	
	15 weeks	C	TD	TP	Personal work			Continuous	Exam
EU fundamentals									
UEF1 (O/P) : Applied Microbiology						9	18		
Matter 1 : Applied Microbiology to ecosystems	67h30	3 hours	-	1h30	82h30	03	06	40%	60%
Subject 2: Applied Microbiology has the food industry	67h30	3 hours	-	1h30	82h30	03	06	40%	60%
Matter 3 : Microbiology Applied to Agronomy	67h30	3 hours	-	1h30	82h30	03	06	40%	60%
EU methodology : Bioinformatics									
UEM1 (O/P) : Biostatistics						05	09		
Matter 1 : Biostatistics	60 hours	3 hours	1 hour	-	65 hours	03	05	40%	60%
Matter 2 : Bioinformatics I	45 hours	1h30	1h30	-	55h	02	04	40%	60%
EU discovery									
UED1 (O/P) : Genomics microorganisms						02	02		
Matter 1 : Genomics Microorganisms	45 hours	1h30	1h30	-	5h	02	02	40%	60%
EU transverse									
UET1 (O/P) : Communication						01	01		
Matter 1 : Communication	10h30 hours	1h30	-	-	2h30	01	01	-	100%
Total Semester 1	375 hours	4h30	4h	4h30	375 hours	17	30		

2- Semester 2 :

Unit Teaching	VHS	VH weekly				Coeffi cient	Credits	Assessment method	
	15 weeks	C	TD	TP	Personal work			Continuous	Exam
EU fundamentals									
UEF1 (O/P) : Physiology and Biosphere						9	18		
Matter 1 : Physiology microbial	67h30	3 hours	-	1h30	82h30	03	06	40%	60%
Matter 2 : Interactions microbial	67h30	3 hours		1h30	82h30	03	06	40%	60%
UEF2 (O/P) : Legislation And Standards Applied to the food industry									
Matter 1 : Legislation And Standards Applied has the food industry	67h30	3 hours	-	1h30	82h30	03	06	40%	60%
EU methodology									
UEM1 (O/P) : Biotechnology and Bioinformatics						05	09		
Matter 1 : Bioinformatics II	60 hours	3 hours	-	1 hour	65 hours	03	05	40%	60%
Matter 2 : Biotechnology And interest of the microorganisms	45 hours	1h30	-	1h30	55h	02	04	40%	60%
EU discovery									
UED1 (O/P) : Clinical microbiology						02	02		
Matter 1 : Microbiology clinical	45 hours	1h30	-	1h30	5 a.m.	02	02	40%	60%
EU transverse									
UET1 (O/P) : Legislation						01	01		
Matter 1 : Legislation	10h30	1h30	-	-	2h30	01	01	20%	80%
Total Semester 2	375 hours	4h30	-	8h30	375 hours	17	30		

3- Semester 3 :

Unit Teaching	VHS	VH weekly				Coefficient	Credits	Assessment method	
	15 weeks	C	TD	TP	Personal work			Continuous	Exam
EU fundamentals									
UEF1 (O/P) : Microbial Ecology						09	18		
Matter 1 : Management of laboratory	67h30	3 hours		1h30	82h30	03	06	40%	60%
Matter 2 : Ecology microbial of extreme environments	67h30	3 hours	-	1h30	82h30	03	06	40%	60%
UEF2 (O/P): Classification and systematics of the microorganisms									
Subject 1 : Classification and systematics of the microorganisms	67h30	3 hours	-	1h30	82h30	03	06	40%	60%
EU methodology									
UEM1 (O/P) : Industrial Microbiology						05	09		
Matter 1 : Industrial Microbiology	60 hours	3 hours	-	1 hour	65 hours	03	05	40%	60%
UEM2 (O/P) : Introduction to research									
Matter 1 : Introduction to research	45 hours	1h30	1h30	-	55h	02	04	40%	60%
EU discovery									
UED1 (O/P) : English scientist						02	02		
Matter 1 : English scientist	45 hours	1h30	1h30	-	5h	02	02	40%	60%
EU transverse									
UET1 (O/P) : Entrepreneurship									
Matter 1 : Entrepreneurship	10:30 p.m.	1h30	-	-	2h30	01	01	-	100%
Total Semester 3	375 hours	6h	3 hours	4h	375 hours	17	30		

