

OFFERING OF TRAINING MASTER ACADEMIC

Establishment	Faculty / Institute	Department
Djilali Bounaama University-Khemis Miliana	Faculty of Natural and Life Sciences and Earth Sciences	Biology

Field: Natural and Life Sciences (NLS)

Field: Biological Sciences (SB)

Specialty: Cellular Physiology and Pathophysiology

Semester 1

Teaching Unit	VHS	V.H. Weekly				Coeff	Credits	Evaluation method	
	51 sem	C	TD	TP	Other			Continuous	Review
Fundamental Teaching Unit						9	18		
FTU1(O/P): Physiology and Physiopathology of the Large functions I	112h30	3h		4h30	137h30	5	10		
Cardiac Physiology	67h30	1h30		3h	82h30	3	6	x	x
vascular cell physiology and of haemostasis	45h	1h30		1h30	55h	2	4	x	x
FTU2(O/P): Organisation and Cellular Physiology	90h	3h	3h		110h	4	8		
Cytoskeletal Biology and Traffic Cellular	45h	1h30	1h30		55h	2	4	x	x
Intercellular Adhesion and Matrix Extracellular	45h	1h30	1h30		55h	2	4	x	x
Methodology Teaching Unit						5	9		
MTU(O/P): Methodology I	105h	3h	4h		120h	5	9		
Cell Biology Techniques	45h		3h		55h	2	4	x	x
Applied Techniques in Biology Molecular	22h30	1h30			27h30	1	2	x	x
Biostatistics I	37h30	1h30	1h		37h30	2	3	x	x
Discovery Teaching Unit						2	2		
DTU 1(O/P): Pathogens and Immunity	45h	1h30	1h30		5h	2	2		
Pathogens and Immunity	45h	1h30	1h30		5h	2	2	x	x
Tranversal Teaching Unit						1	1		
TTU1(O/P): Communication	22h30	1h30			2h30	1	1		
Communication	22h30	1h30			2h30	1	1		x
Total Semester 5	375h	12h	8h30	4h30	375h	17	30		

Semester 2

Teaching Unit	VHS	V.H. Weekly				Coeff	Credits	Evaluation method	
	15 wks	C	TD	TP	Other			Continuous	Review
Fundamental Teaching Unit						9	18		
FTU1(O/P): Physiology and Physiopathology of large functions II	112h30	3h		4h30	137h30	5	10		
Respiratory and Renal Physiology	67h30	1h30		3h	82h30	3	6	x	x
Digestive Physiology and Metabolism	45h	1h30		1h30	55h	2	4	x	x
UEF 2(O/P): Physiology Molecular and Signalling	90h	3h	3h		110h	4	8		
Molecular Endocrinology	45h	1h30	1h30		55h	2	4	x	x
Cellular signalling	45h	1h30	1h30		55h	2	4	x	x
Methodology Teaching Unit						5	9		
EMU1(O/P): Methodology II	105h	4h30	1h	1h30	120h	5	9		
Reproductive Biotechnology	45h	1h30		1h30	55h	2	4	x	x
Cellular Proliferation and its Regulation	37h30	1h30	1h		37h30	2	3	x	x
English	22h30	1h30			27h30	1	2		x
Discovery Teaching Unit						2	2		
UED1(O/P): Neuroscience Molecular	45h	1h30	1h30		5h	2	2		
Molecular Neuroscience	45h	1h30	1h30		5h	2	2	x	x
Transversal Teaching Unit						1	1		
UET1(O/P): Legislation and Bioethics	22h30	1h30			2h30	1	1		
Legislation and Bioethics	22h30	1h30			2h30	1	1		x
Total Semester 5	375h	13h30	5h30	6h	375h	17	30		

Semester3

Teaching Unit	VHS	V.H. Weekly				Coeff	Credits	Evaluation method	
	15 wks	C	TD	TP	Other			Continu ous	Review
Fundamental Teaching Unit						9	18		
FTU1(O/P): Nutrition and Dietetics	112h30	3h		4h30	137h30	5	10		
Metabolic pathophysiology	67h30	1h30		3h	82h30	3	6	x	x
Food and Diet	45h	1h30		1h30	55h	2	4	x	x
FTU2(O/P): Pathologies	90h	3h		3h	110h	4	8		
Pathophysiology of Diseases Cardiovascular	45h	1h30		1h30	55h	2	4	x	x
Glandular pathologies Endocrine	45h	1h30		1h30	55h	2	4	x	x
Methodology Teaching Unit						5	9		
MTU(O/P): Methodology III	105h	4h30	2h30		120h	5	9		
Pharmacology	45h	1h30	1h30		55h	2	4	x	x
Biostatistics II	37h30	1h30	1h		37h30	2	3	x	x
Article Analysis	22h30	1h30			27h30	1	2		x
Discovery Teaching Unit						2	1		
DTU1(O/P): Physiology Neurosensory	45h	1h30		1h30	5h	2	2		
Neurosensory Physiology	45h	1h30		1h30	5h	2	2	x	x
Transversal Teaching Unit						1	1		
UET1(O/P): Entrepreneurship	22h30	1h30			2h30	1	1		
Entrepreneurship	22h30	1h30			2h30	1	1		x
Total Semestre 5	375h	13h30	2h30	9h	375h	17	30		

Semester 4 :

Field: Natural and Life Sciences (NLS)

Field of study: Biological Science (SB)

Specialty: Cellular Physiology and Pathophysiology

The end-of-study project, which lasts for one semester, will culminate in a dissertation and an oral presentation.

	VHS	Coeff	Credits
Personal work	500h	10	20
Internship in a company	250h	7	10
Seminars			
Other (specify)			
Total Semester 4	750 h	17	30

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

VH	TU	FTU	MTU	DTU	TTU	Total
Course		270h	180h	67h30	67h30	585h
TD		90h	112h30	45h		247h30
TP		247h30	22h30	22h30		292h30
Personal work		742h30	360h	15h	7h30	1125h
Internship - dissertation		500h	250h			750h
Total		1850h	925h	150h	75h	3000
Credits		74	37	6	3	120
in credits for each EU		61,67	30,83	5	2,5	100