



Informations à introduire sur la plateforme « *study in Algeria* »

Niveau : Licence
Filière : Biological Sciences
Spécialité : Biochemistry License

View Full Curriculum

Semester 1

Teaching Unit	Teaching subject		Credits	Coefficients	HV Weekly			SHV (15 weeks)	Other *	Evaluation			
	Code	Titled			Course	Directed Work	Practical Work			Continuous		Exam	
Basic Teaching Unit Code : BTU 1.1 Credits : 18 Coefficients : 9	B 1.1.1	General and organic chemistry	6	3	1h30	1h30	1h30	67h30	82h30	x	40%	x	60%
	B 1.1.2	Cellular biology	8	4	1h30	1h30	3h00	90h00	110h00	x	40%	x	60%
	B 1.1.3	Mathematical Statistics	4	2	1h30	1h30	-	45h00	55h00	x	40%	x	60%
Methodology TU Code : MTU 1.1 Credits : 9 Coefficients: 5	M 1.1.1	Geology	5	3	1h30	1h30	1h00	60h00	65h00	x	40%	x	60%
	M 1.1.2	Communication and Expression Techniques 1 (in French)	4	2	1h30	1h30	-	45h00	55h00	x	40%	x	60%
Discovery TU Code : DTU 1.1 Credits : 2 Coefficients : 2	D 1.1.1	Working Method and Terminology 1	2	2	1h30	1h30		45h00	5h00	x	40%	x	60%
Transversal TU Code : TTU 1.1 Credits : 1 Coefficients : 1	T 1.1.1	Universal History of Biological Sciences	1	1	1h30	-	-	22h30	2h30	-	-	x	100
Total Semester 1			30	17	10h30	9h00	5h30	375h00	375h00				

Semester 2

Teaching Unit	Teaching subject		Credits	Coefficients	HV Weekly			SHV (15 weeks)	Other *	Evaluation			
	Code	Titled			Course	Directed Work	Practical Work			Continuous		Exam	
Basic Teaching Unit Code : BTU 2.1 Credits : 18 Coefficients : 9	B 2.1.1	Thermodynamics and solution chemistry	6	3	1h30	1h30	1h30	67h30	82h30	x	40%	x	60%
	B 2.1.2	Plant Biology	6	3	1h30	-	3h00	67h30	82h30	x	40%	x	60%
	B2.1.3	Animal Biology	6	3	1h30	-	3h00	67h30	82h30	x	40%	x	60%
Methodology TU Code : MTU 2.1 Credits : 9 Coefficients : 5	M 2.1.1	Physique	5	3	1h30	1h30	1h00	60h00	65h00	x	40%	x	60%
	M 2.1.2	Communication and Expression Techniques 2 (in English)	4	2	1h30	1h30	-	45h00	55h00	x	40%	x	60%
Discovery TU Code : DTU 2.1 Credits : 2 Coefficients : 2	D 2.1.1	Life sciences and socio-economic impacts	2	2	1h30	1h30	-	45h00	5h00	x	40%	x	60%
Transversal TU Code : TTU 2.1 Credits : 1 Coefficients : 1	T 2.1.1	Working Method and Terminology 2	1	1	1h30	-	-	22h30	2h30	-	-	x	100 %
Total Semester 1			30	17	10h30	6h00	8h30	375h00	375h00				

Semester 3

Teaching Unit	Teaching subject	Credits	Coefficients	HV Weekly			SHV (15 weeks)	Other *	Evaluation			
	Titled			Course	Directed Work	Practical Work			Continuous		Exam	
Basic Teaching Unit Code : BTU 2.1.1 Credits : 6 Coefficients : 3	Zoology	6	3	3h00	-	1h30	67h30	82h30	x	40%	x	60%
Basic Teaching Unit Code : BTU 2.1.2 Credits : 12 Coefficients : 6	Biochemistry	6	3	3h00	1h30	-	67h30	82h30	x	40%	x	60%
	Genetic	6	3	3h00	1h30	-	67h30	82h30	x	40%	x	60%
Methodology TU Code : MTU 2.1.1 Credits : 4 Coefficients: 2	Communication and Expression Techniques (in English)	4	2	1h30	1h30	-	45h00	55h00	x	40%	x	60%
MethodologyTU Code : MTU 2.1.2 Credits : 5 Coefficients: 3	Biophysics	5	3	1h30	1h30	1h00	60h00	65h00	x	40%	x	60%
Discovery TU Code : DTU 2.1.1 Credits : 2 Coefficients : 2	Environment and Sustainable Development	2	2	1h30	1h30	-	45h00	5h00	x	40%	x	60%
Transversal TU Code : TTU 2.1.1 Credits : 1 Coefficients : 1	University Ethics and Deontology	1	1	1h30	-	-	22h30	2h30	-	-	x	100%
Total Semester 3		30	17	15h00	7h30	2h30	375h00	375h00				

Semester 4

Teaching Unit	Teaching subject	Credits	Coefficients	HV Weekly			SHV (15 weeks)	Other *	Evaluation			
	Titled			Course	Directed Work	Practical Work			Continuous		Examen	
Basic Teaching Unit Code : BTU 2.2.1 Credits : 8 Coefficients : 3	Botanic	6	3	3h00	-	1h30	67h30	82h30	x	40%	x	60%
Basic Teaching Unit Code : BTU 2.2.2 Credits : 14 Coefficients : 5	Microbiology	8	4	3h00	1h30	1h30	90h00	110h00	x	40%	x	60%
	Immunology	4	2	1h30	1h30	-	45h00	55h00	x	40%	x	60%
Methodology Code : MTU 2.2.1 Credits : 4 Coefficients: 2	Scientific methodology and techniques for studying living	4	2	1h30	-	1h30	45h00	55h00	x	40%	x	60%
Methodology TU Code : UEM 2.2.2 Credits : 4 Coefficients: 2	Biostatistics	5	3	1h30	1h30	1h00	60h00	65h00	x	40%	x	60%
Discovery TU Code : UED 2.2.1 Credits : 2 Coefficients : 2	General ecology	2	2	1h30	1h30	-	45h00	5h00	x	40%	x	60%
U E Transversale Code : UET 2.2.1 Credits : 1 Coefficients : 1	Informatics Tools	1	1	1h30	-	-	22h30	2h30	-	-	x	100%
Total Semester 4		30	17	13h30	6h00	5h30	375h00	375h00				

Semester 5 :

Teaching Unit	SHV	HV Weekly				Coeffi cients	Credit s	Evaluation				
	14-16 weeks	Course	Directe d Work	Practical Work	Other *			Contin uous		Examen		
Basic Teaching Unit												
BTU1(O/P) : Cellular Biochemistry and Enzymology	157h30	6h00	3h	1h30	2h	6	12					
Teaching subject 1 : Advanced Enzymology	90h00	3h00	1h30	1h30	1h	3	6	x	40%	x	60 %	
Teaching subject 2 : Cellular and functional biochemistry	67h30	3h00	1h30	-	1h	3	6	x	40%	x	60 %	
BTU2 (O/P) : Immunologie et régulation métabolique	134h	6h00	1h30	-	-	6	12					
Teaching subject 1 : Cellular and Molecular Immunology	67h00	3h00	-	-	-	3	6	x	40%	x	60%	
Teaching subject 2 : Metabolic regulation	67h00	3h00	1h30	-	-	3	6	x	40%	x	60%	
Methodology TU												
MTU 1 (O/P) : Analysis techniques	63h00	3h00	-	1h30	-	3	5					
Teaching subject 1 : Biochemical analysis techniques	63h00	3h00	-	1h30	-	3	5	x	40%	x	60%	
Transversal TU												
TTU 1(O/P)	25h00	1h30	-	-		1	1					
Teaching subject 1 : English	25h00	1h30	-	-	-	1	1	-	-	x 100		
Total Semester 5	379h30	16h30	4h30	3h00	2h	16	30					

Semester 6 :

Teaching Unit	SHV	HV Weekly				Coefficients	Credits	Evaluation			
	14-16 weeks	Course	Directed Work	Practical Work	Other *			Continuous		Examen	
Basic Teaching Units											
BTU 1 (O/P) : Molecular biology and genetic engineering	135h00	4h30	3h00	1h30	1h00	5	9				
Teaching subject 1 : Molecular biology	90h00	3h00	1h30	1h30	1h00	3	5	x	40%	x	60%
Teaching subject 2 : Genetic engineering	45h00	1h30	1h30	-	-	2	4	x	40%	x	60%
BTU 2 (O/P) : Biochemical engineering and applications	138h00	6h00	-	3h00	1h00	6	13				
Teaching subject 1 : Biochemical Engineering and Valorization of Biomolecules	75h00	3h00	-	1h30	1h00	3	7		40%	x	60%
Teaching subject 2: Pharmacotoxicology	63h00	3h00	-	1h30	-	3	6	x	40%	x	60%
Methodology TU											
MTU 1 (O/P) : Cellular Culture and Statistics	98h00	4h30	1h30	1h30	-	4	8				
Teaching subject 1 : Cell Culture and Therapeutic Applications	42h00	1h30	-	1h30	-	2	4	x	40%	x	60%
Teaching subject 2 : Biostatistics	56h00	3h00	1h30	-	-	2	4	x	40%	x	60%
Total Semester 6	371h00	15h00	4h30	6h00	2h00	15	30				

Other* = Travail complémentaire en consultation semestrielle