

Semester 1

Teaching Unit	VHS	V.H weekly				Coeff	Credits	evaluation mode	
	15 weeks	C	TD	TP	TV/Pers			Continuo us	Exam
Fundamentals teaching Unit (FTU)									
FTU 1 : Molecular technology		7h30							
Subject 1: Nucleic Acid Technology	67h30	3h	1h30		82h30	3	6	40%	60%
Subject 2: Proteomics	67h30	1h30	1h30	1h30	82h30	3	6	40%	60%
FTU 2 : Cellular communication and signaling									
Subject 1: Cellular communication and signaling	67h30	3h	1h30	-	82h30	3	6	40%	60%
Teaching Units Methodological									
TUM1 (O/P) Biotechnology-Bioinformatics									
Subject 01: Microbial biotechnology	60h	1h	3h	-	65h	3	5	40%	60%
Subject 2: Applied bioinformatics	45h	1h30		1h30	55h	2	4	40%	60%
Teaching Units Discovery									
TUD (O/P) Molecular virology									
Subject 1 Molecular virology	45h	1h30	1h30		5h00	2	2	40%	60%
Transversal Teaching Units									
TTU1 (O/P) Communication									
Subject 1: Communication	22h30	1h30	-	-	2h30	1	1		100%
Total Semester 1	375h	13h	9h	3h	375h	17	30		

Semester 2

Teaching units	VHS	V.H weekly				Coeff	Credits	evaluation Mode	
	15 weeks	C	TD	TP	TV/Pers			Continues	Exam
Fundamentals teaching Unit (FTU)									
FTU 1 : Biotherapies		9h00							
Subject 1: Gene biotherapy	67h30	3h	1h30		82h30	3	6	40%	60%
Subject 2: Cellular biotherapy	67h30	3h	1h30	-	82h30	3	6	40%	60%
FTU 2 : Structural dynamics of macromolecules									
Subject 1: Structural dynamics of macromolecules	67h30	3h	1h30	-	82h30	3	6	40%	60%
Teaching Units Methodological									
TUM1(O/P) Bio-Engineering									
Subject 1: Production of biomolecules by Bio-Engineering	60h	3h	1h	-	65h	3	5	40%	60%
Subject 2: Applications in Biotechnologys	45h	1h30	1h30		55h	2	4	40%	60%
Teaching Unit Discovery (TUD)									
TUD1 (O/P) Valorization of biomolecules									
Subject 1: Valorization of biomolecules for therapeutic use	45h	1h30		1h30	5h00	2	2	40%	60%
Transversal Teaching Unit (TTU)									
TTU1 (O/P) Legislation									
Subject 1 : Legislation	22h30	1h30	-	-	2h30	1	1		100%
Total Semester 2	375h	16h30	7h00	1h30	375h	17	30		

Semester 3

Teaching units	VHS	V.H weekly				Coeff	Credits	evaluation mode	
	15 weeks	C	TD	TP	TV/Pers			Continues	Exam
Fundamentals teaching Unit (FTU)									
FTU1 : Pharmacology and quality control		9h00							
Subject 1: Pharmacology	90h	3h	1h30		82h30	3	8	40%	60%
Subject 3: Quality control in bioindustry	60h00	3h		1h30	82h30	3	4	40%	60%
FTU2 : Translational immunology and biotherapies									
Subject 1: Translational immunology and biotherapies	67h30	3h	1h30	-	82h30	3	6	40%	60%
Methodological Teaching Units (UEM)									
UEM1 (O/P) Biostatistics - Scientific English									
Subject 1: Biostatistics	67h30	1h30	1h30	2h30	82h30	3	6	40%	60%
Subject 2: Scientific English	22h30	1h30			5h00	2	3	40%	60%
Teaching Units Discovery (TUD)									
TUD1 (O/P) Bibliographic and technological monitoring.									
Subject 1: Bibliographic and technological monitoring.	45h	1h30	1h30	-	37h30	2	2	40%	60%
Transversal Teaching Unit (TTU)									
TTU1 (O/P) Entrepreneurial									
Subject 1 : Entrepreneurial	22h30	1h30	-	-	2h30	1	1		100%
Total Semester 3	375h	15h	06h00	4h00	375h	17	30		

Semester 4

	VHS	Coeff	Credits
Personal Work*	175h	5	7
Internship in a company	125h	4	8
End of study memory (ESM)	375h	8	15
Total Semester 4	750h	17	30