

Semester 01

Teaching Unit	Semestrial HV	HV Weekly				coefficients	Credits	Evaluation	
	15 weeks	Course	Directed Work	Practical Work	Student Individual Work			Continuous	Exam
Basic Teaching Unit									
BTU1 Microorganism Biodiversity						09	18		
Teaching subject 1: Taxonomy, Métabolisms and Microbial Physiology	67h30	03h00	01h30	-	82h30	03	06	40%	60%
Teaching subject 2: Microorganism Interactions	67h30	03h00	01h30	-	82h30	03	06	40%	60%
BTU2 : Molecular Genitics									
Teaching Subject 1 : Molecular genetics of prokaryotes	67h30	01h30	01h30	01h30	82h30	03	06	40%	60%
Teaching Subject 2 : Regulation of Gene Expression in Microorganisms	45h	3h	-	-	55h	02	04	40%	60%
Methodological Teaching Unit									
MTU1 Microbiological Analyses and Genomics						05	09		
Teaching subject 1: Microbiological Analysis Techniques	60h00	03h00	-	01h00	65h00	03	05	40%	60%
Teaching subject 2: Basic Genomics	45h00	01h30	01h30	-	55h00	02	04	-	100%
Discovery Teaching Unit									
DTU1 Bactériophages						02	02		
Teaching subject 1 : Bactériophages	22h30	01h00	00h30	-	02h30	01	01	40%	60%
Teaching subject 2 : Free and open source software	22h30	00h30	-	01h00	02h30	01	01	40%	60%
Transversal Teaching Unit									
TTU1						01	01		
Teaching subject 1: Communication	22h30	01h30	-	-	02h30	01	01	-	100%
Total Semester 01	375h	16h30	05h00	03h30	375h	17	30		

Semester 02

Teaching Unit	Semestrial HV	HV Weekly				coefficients	Credits	Evaluation	
	15 weeks	Course	Directed Work	Practical Work	Student Individual Work			Continuous	Exam
Basic Teaching Unit									
BTU1 Microbial Ecology of Food and the Environment						09	18		
Teaching subject 1: Food Microbiology	67h30	01h30	01h30	-	82h30	03	06	40%	60%
Teaching subject 2: Pathogenic Microorganisms	67h30	03h00	-	01h30	82h30	03	06	40%	60%
Teaching subject 3: Photosynthetic Microorganisms and Agronomic Relevance of Soil Microbiology	67h30	03h00	-	01h30	82h30	03	06	40%	60%
Methodological Teaching Unit									
MTU1 Biochemical Analysis Techniques						05	09		
Teaching subject 1: Biochemical Analysis Techniques	45h00	01h30	-	01h30	55h00	03	05	40%	60%
Teaching subject 2: Industrial Microbiology and Biotechnology	60h00	03h	-	01h	65h00	02	04	40%	60%
Discovery Teaching Unit									
DTU1 Scientific English						02	02		
Teaching subject 1 : Scientific English	22h30	01h00	00h30	-	02h30	01	01	40%	60%
Teaching subject 2 : Computer Programming Applied to Science and Technology	22h30	00h30	-	01h00	02h30	01	01	40%	60%
Transversal Teaching Unit									
TTU1						01	01		
Teaching subject 1: Legislation	22h30	01h30	-	-	02h30	01	01	-	100%
Total Semester 02	375h	225h	44h00	106h	375h	17	30		

Semester 03

Teaching Unit	Semestrial HV	HV Weekly				coefficients	Credits	Evaluation	
	15 weeks	Course	Directed Work	Practical Work	Student Individual Work			Continuous	Exam
Basic Teaching Unit									
BTU1 Genetic Analysis						09	18		
Teaching subject 1: Genetic Engineering	67h30	03h00	01h30	-	82h30	03	06	40%	60%
Teaching subject 2: Genome Plasticity	67h30	03h00	01h30	-	82h30	03	06	40%	60%
Teaching subject 3: Applicatios of Molecular Genetics to Microorganisms	67h30	03h00	01h30	-	82h30	03	06	40%	60%
Methodological Teaching Unit									
MTU1 Research Practice						05	09		
Teaching subject 1: Research Methodology and introduction to Research	60h00	03h00	-	01h00	65h00	03	05	40%	60%
Teaching subject 2: Molecular Phylogeny	45h00	01h30	-	01h30	55h00	02	04	40%	60%
Discovery Teaching Unit									
DTU1 Hygiene and Safety						02	02		
Teaching subject 1 : Hygiene and Safety	22h30	01h00	00h30	-	02h30	01	01	40%	60%
Teaching subject 2 : AI applied to science and technology	22h30	00h30	-	01h00	02h30	01	01	40%	60%
Transversal Teaching Unit									
TTU1						01	01		
Teaching subject 1: Entrepreneurship	22h30	01h30	-	-	02h30	01	01	-	100%
Total Semester 03	375h	225h	82h00	68h30	375h	17	30		