

Academic Program of the 1st and 2nd Year Preparatory Class

Semester :1

Teaching Unit	Hourly Amount	Weekly teaching hours				Coefficient	Credits	Evaluation method	
	14-16 weeks	Course	Tutorial	Practical works	Other			Continuous assessment	Exam
Fundamental TU	202,5					9	18		
FTU(Mandatory)									
Cell Biology	90h00	03h00	01h30	01h30	110h00	4	8	40%	60%
General and Organic Chemistry	67h30	01h30	01h30	01h30	80h00	3	6	40%	60%
Analysis	45h00	01h30	01h30		45h00	2	4	40%	60%
Methodology TU	105					5	9		
MTU(Mandatory)									
Mechanics and Electricity	60h00	01h30	01h30	01h00	60h00	3	5	40%	60%
Geology	45h00	01h30		01h30	40h00	2	4	40%	60%
Discovery TU	45					2	2		
DTU (Mandatory)									
History of Biological Sciences	22h30	01h30			05h00	1	1	100%	
Open-source Software	22h30			01h30	30h00	1	1	100%	
Transversal TU	22,5					1	1		
TTU (Mandatory)									
Communication and Expression Techniques 1	22h30	01h30			05h00	1	1		100%
Total Semester 1	375 h				375 h	17	30		

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Semester 2

Teaching Unit	Hourly Amount	Weekly teaching hours				Coefficient	Credits	Evaluation method	
	14-16 weeks	Course	Tutorial	Practical works	Other			Continuous assessment	Exam
Fundamental TU	202,5					9	18		
FTU(Mandatory)									
Plant Biology	67h30	01h30		03h00	90h00	3	6	40%	60%
Animal Biology	67h30	01h30		03h00	90h00	3	6	40%	60%
Thermodynamics and Solution Chemistry	67h30	01h30	01h30	01h30	70h00	3	6	40%	60%
Methodology TU	105					5	9		
MTU(Mandatory)									
Optics and Fluid Mechanics	60h00	01h30	01h30	01h00	45h00	3	5	40%	60%
Algebra	45h00	01h30	01h30		40h00	2	4	40%	60%
Discovery TU	45					2	2		
DTU (Mandatory)									
Supervised Personal Work – Methodology	22h30	01h30			05h00	1	1	100%	
Introduction to Artificial Intelligence	22h30			01h30	30h00	1	1	100%	
Transversal TU	22,5					1	1		
TTU (Mandatory)									
Communication and Expression Techniques 2	22h30	01h30			05h00	1	1		100%
Total Semester 2	375 h				375 h	17	30		

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Semester 3

Teaching Unit	Hourly Amount	Weekly Teaching Hours				Coefficient	Credits
	14-16 weeks	Course	Tutorial	Practical works	Other		
Fundamental TU							
FTU(Mandatory)	352h30	112h30	90 h	60h00	90h00	16	25
Plant Physiology	82h30	22h30	22h30	15h00	22h30	4	6
Biochemistry	105h	45h00	22h30	15h00	22h31	4	7
Zoology	82h30	22h30	22h30	15h00	22h32	4	6
Genetics	82h30	22h30	22h30	15h00	22h33	4	6
Methodology TU							
MTU(Mandatory)	112h30	45h00				3	3
Biostatistics	67h30	22h30	01h30		45h00	2	2
Communication and Expression Techniques in English 1	45h00	22h30	01h30		40h00	1	1
Discovery TU							
DTU (Mandatory)	67h30	22h30				2	2
Biophysics	67h30	22h30	01h30		05h00	2	2
Total Semester 3	532h30	180h00	135h00	60h00	375 h	21	30

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Semester 4

Teaching Unit	Hourly Amount	Weekly Teaching Hours				Coefficient	Credits
	14-16 weeks	Course	Tutorial	Practical works	Other		
Fundamental TU	150h00	45h00	45h00	15h00	45h00	8	12
FTU(Mandatory)3.1							
Animal Physiology	82h30	22h30	22h30	15h00	22h30	4	6
Immunology	67h30	22h30	22h30	15h00	22h31	4	6
FTU(Mandatory)3.2	187h30		45h00	30h00	45h00	8	13
Microbiology	105h00	45h00	22h30	15h00	22h30	4	7
Botany	82h30	22h30	22h30	15h00	22h30	4	6
Methodology TU							
MTU(Mandatory)	112h30	45h00	22h30		45h00	3	5
Ecology	67h30	22h30	22h30		22h30	2	4
Communication and Expression Techniques in English 2	45h00	22h30			22h30	1	1
Total Semester 4	450h00	157h30	112h30	45h00	135h00	19	30