

2 - LIST OF COURSES OF THE PROGRAM OF STUDY

TABLE 2: COURSE DISTRIBUTION PER SEMESTER

A/A	Course Type	Course Name	Course Code	Periods per week	Period duration (hour)	Number of weeks/ Academic semester	Total periods/ Academic semester	Number of ECTS
A' Semester								
1.	Compulsory	Principles of Biology I	BIO 102	3	<ul style="list-style-type: none"> • 1.5 • 1.5 • 1 	13	39	7
2.	Compulsory	General Advanced English	LAN 100	2	<ul style="list-style-type: none"> • 1.5 • 1.5 	13	26	5
3.	Compulsory	Mathematics I	MAS 001	2	<ul style="list-style-type: none"> • 1.5 • 1.5 	13	26	6
4.	Compulsory	Physics for Chemists	PHY 102	3	<ul style="list-style-type: none"> • 1.5 • 1.5 • 1 	13	39	6
5.	Compulsory	Introductory Chemistry (for Biologists and Physicists)	CHE 021	3	<ul style="list-style-type: none"> • 1.5 • 1.5 • 1 	13	39	6
B' Semester								
1.	Compulsory	Principles of Biology II	BIO 111	3	<ul style="list-style-type: none"> • 1.5 • 1.5 • 1 	14	42	14

2.	Compulsory	Search and Management of Bibliographic Sources	BIO 490	1	<ul style="list-style-type: none"> • 2 • 2 	Once/semester	Once/semester	1
3.	Compulsory	English for Biology	LAN 103	3	<ul style="list-style-type: none"> • 1.5 • 1.5 • 1.5 	14	42	5
4.	Compulsory	MAS 002 Mathematics II	MAS 002	3	<ul style="list-style-type: none"> • 1.5 • 1.5 • 1 	14	42	6
5.	Compulsory	Introduction in Probability and Statistics	MAS 030	3	<ul style="list-style-type: none"> • 1.5 • 1.5 • 1 	14	42	5
6.	Compulsory	Organic Chemistry for Students of Biology	CHE 031	2	<ul style="list-style-type: none"> • 1.5 • 1.5 	14	28	6
C' Semester								
1.	Compulsory	Biochemistry I	BIO 221	3	<ul style="list-style-type: none"> • 1.5 • 1.5 • 1 	13	39	6
2.	Compulsory	Introduction to Computational Biology	BIO 230	3	<ul style="list-style-type: none"> • 1.5 • 1.5 • 1 	13	39	6
3.	Compulsory	Laboratory Methods and Techniques I	BIO 241	3	<ul style="list-style-type: none"> • 4.5 • 4.5 • 4 	13	39	6

4.	Compulsory	Ecology	BIO 301	3	<ul style="list-style-type: none"> • 1.5 • 1.5 • 1 	13	39	6
5.	Compulsory	Organic Chemistry Lab for Students of Biology	CHE 030	2	<ul style="list-style-type: none"> • 1 • 3 	13	26	6
D' Semester								
1.	Compulsory	Genetics	BIO 201	3	<ul style="list-style-type: none"> • 1.5 • 1.5 • 1 	14	42	6
2.	Compulsory	Molecular Biology	BIO 202	3	<ul style="list-style-type: none"> • 1.5 • 1.5 • 1 	14	42	6
3.	Compulsory	Biochemistry II	BIO 222	3	<ul style="list-style-type: none"> • 1.5 • 1.5 • 1 	14	42	6
4.	Compulsory	Laboratory Methods and Techniques II	BIO 242	3	<ul style="list-style-type: none"> • 4.5 • 4.5 • 4 	14	42	6
5.	Compulsory	Zoology	BIO 481	3	<ul style="list-style-type: none"> • 1.5 • 1.5 • 1 	14	42	6
E' Semester								
1.	Compulsory	Molecular Cell Biology	BIO 302	3	<ul style="list-style-type: none"> • 1.5 	13	39	6

					<ul style="list-style-type: none"> • 1.5 • 1 			
2.	Compulsory	Animal Physiology	BIO 382	3	<ul style="list-style-type: none"> • 1.5 • 1.5 • 2 	13	39	6
3.	Compulsory	Immunology	BIO 471	3	<ul style="list-style-type: none"> • 1.5 • 1.5 • 1 	13	39	6
4.	Compulsory	Botany	BIO 482	3	<ul style="list-style-type: none"> • 1.5 • 1.5 • 1 	13	39	6
5.	Elective (Specialization)	Departmental Elective Course	Selected by the students from a specific list of courses offered by the Department	3	<ul style="list-style-type: none"> • 1.5 • 1.5 • 1 	13	39	6
F' Semester								
1.	Compulsory	Introduction to Developmental Biology	BIO 361	3	<ul style="list-style-type: none"> • 1.5 • 1.5 • 1 	14	42	7
2.	Compulsory	Microbiology	BIO 371	3	<ul style="list-style-type: none"> • 1.5 • 1.5 • 1 	14	42	6
3.	Compulsory	Evolutionary Biology	BIO 401	3	<ul style="list-style-type: none"> • 1.5 • 1.5 • 1 	14	42	6
4.	Compulsory	Epigenetics	BIO 451	3	<ul style="list-style-type: none"> • 1.5 	14	42	6

					<ul style="list-style-type: none"> • 1.5 • 1 			
5.	Elective (Specialization)	Departmental Elective Course	Selected by the students from a specific list of courses offered by the Department	3	<ul style="list-style-type: none"> • 1.5 • 1.5 • 1 	14	42	6
G' Semester								
	Undergraduate Assignment	Undergraduate Thesis I	BIO 491	Assigned by the thesis research advisor of each student, based on the ECTS of the course and depending on the type of the thesis project	Assigned by the thesis research advisor of each student, based on the ECTS of the course and depending on the type of the thesis project	13	39	13
	Elective (Specialization)	Departmental Elective Course	Selected by the students from a specific list of courses offered by the Department	3	<ul style="list-style-type: none"> • 1.5 • 1.5 • 1 	13	39	6
	Elective (General Education)	Free Elective Course	Students must take three Free Elective Courses. These must be from at least two	Assigned by other Departments	Assigned by other Departments	13	39	5

			Faculties of the University.					
	Elective (General Education)	Free Elective Course	Students must take three Free Elective Courses. These must be from at least two Faculties of the University.	Assigned by other Departments	Assigned by other Departments	13	39	5
Η' Εξάμηνο								
1.	Undergraduate Assignment	Undergraduate Thesis II	BIO 492	Assigned by the thesis research advisor of each student, based on the ECTS of the course and depending on the type of the thesis project	Assigned by the thesis research advisor of each student, based on the ECTS of the course and depending on the type of the thesis project	14	42	14
2.	Elective (Specialization)	Departmental Elective course	Selected by the students from a specific list of courses offered by the Department	3	<ul style="list-style-type: none"> • 1.5 • 1.5 • 1 	14	42	6
3.	Elective (Specialization)	Departmental Elective course	Selected by the students from a specific list of courses offered	3	<ul style="list-style-type: none"> • 1.5 • 1.5 • 1 	14	42	6

			by the Department					
4.	Elective (General Education)	Free Elective Course	Students must take three Free Elective Courses. These must be from at least two Faculties of the University.	Assigned by other Departments	Assigned by other Departments	14	42	5