

TABLE 2: COURSE DISTRIBUTION PER SEMESTER

A/A	Course Type	Course Name	Course Code	Periods per week	Period duration	Number of weeks/ Academic semester	Total hours/ Academic semester	Number of ECTS
A' Semester								
1.	Compulsory	Principles of Biology I	BIO 102	3	1.5 1.5 1	13	52	7
2.	Compulsory	General Advanced English	LAN 100	2	1.5 1.5	13	39	5
3.	Compulsory	Mathematics I	MAS 001	2	1.5 1.5 1	13	52	6
4.	Compulsory	Physics for Biologists	PHY 104	3	1.5 1.5 2	13	65	6
5.	Compulsory	Introduction to Chemistry (for Biologists and Physicists)	CHE 021	2	1.5 1.5	13	39	6



B' Semester								
1.	Compulsory	Zoology	BIO 481	4	1.5 1.5 3 1	13	91	7
2.	Compulsory	Search and management bibliography	BIO 490	n/a	n/a	Once/semester	Once/semester	1
3.	Compulsory	English for Biomedical Science	LAN 103	3	1.5 1.5	13	39	5
4.	Compulsory	Molecular Biology	BIO 202	3	1.5 1.5 1	13	52	6
5.	Compulsory	Introduction to probability and statistics	MAS 030	3	1.5 1.5 1	13	52	5
6.	Compulsory	Organic Chemistry I	CHE 031	2	1.5 1.5	13	39	6
C' Semester								
1.	Compulsory	Biochemistry I	BIO 221	3	1.5 1.5 1	13	52	6
2.	Compulsory	Botany	BIO 482	3	1.5 1.5 1	13	52	6



3.	Compulsory	Laboratory Methods and Techniques I	BIO 241	3	1.5 1.5 1	13	52	6
4.	Compulsory	Ecology	BIO 301	3	1.5 1.5 1 1 (+ 2-days field trip)	13	52	6
5.	Compulsory	Laboratory of Organic Chemistry I (Biologists)	CHE 030	2	1 3	13	52	6
D' Semester								
1.	Compulsory	Genetics	BIO 201	3	1.5 1.5 1	13	52	6
2.	Compulsory	Microbiology	BIO 371	3	1.5 1.5 1	13	52	6
3.	Compulsory	Biochemistry II	BIO 222	3	1.5 1.5 1	13	52	6
4.	Compulsory	Laboratory Methods and Techniques II	BIO 242	3	1.5 1.5 1	13	52	6



5.	Compulsory	Animal Physiology	BIO 382	3	1.5 1.5 1	13	52	6
E' Semester								
1.	Compulsory	Molecular and Cellular Biology	BIO 302	3	1.5 1.5 1	13	52	6
2.	Compulsory	Plant Physiology	BIO 381	3	1.5 1.5 1	13	52	6
3.	Compulsory	Immunology	BIO 471	3	1.5 1.5 1	13	52	6
4.	Constrained Elective (Specialization)	Selection from a list of courses	BIO XXX	3	1.5 1.5 1	13	52	6
5.	Constrained Elective (Specialization)	Selection from a list of courses	BIO XXX	3	1.5 1.5 1	13	52	6
F' Semester								
1.	Compulsory	Introduction to Developmental Biology	BIO 361	3	1.5 1.5 1	13	52	6
2.	Compulsory	Introduction to Computational Biology	BIO 230	3	1.5 1.5	13	52	6



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3.	Compulsory	Evolutionary Biology	BIO 401	2	4 4	13	104	6
4.	Compulsory	Epigenetics	BIO 451	3	1.5 1.5 1	13	52	6
5.	Compulsory	Quantitative Methods of Data Analysis in Medicine	MED 107	2	2 2	13	52	6
G' Semester								
1.	Compulsory-Undergraduate Assignment	Undergraduate Thesis I	BIO 491	n/a	n/a	13		7
2.	Constrained Elective (Specialization)	Selection from a list of courses	BIO XXX	3	1.5 1.5 1	13	52	6
3.	Free Elective (General Education)	Free Elective Course	XXX XXX			13		5
4.	Free Elective (General Education)	Free Elective Course	XXX XXX			13		5
5.	Constrained Elective (Specialization)	Selection from a list of courses	BIO XXX	3	1.5 1.5 1	13	52	6



H' Semester								
1.	Compulsory-Undergraduate Assignment	Undergraduate Thesis II	BIO 492	n/a	n/a	13		14
2.	Constrained Elective (Specialization)	Selection from a list of courses	BIO XXX	3	1.5 1.5 1	13	52	6
3.	Constrained Elective (Specialization)	Selection from a list of courses	BIO XXX	3	1.5 1 1	13	52	6
4.	Free Elective (General Education)	Free Elective Courses	XXX XXX			13		5