

**Συνημμένο 1****“Biomedical Sciences (4 Years/240 ECTS, B.Sc.)”****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 periods/ Academic semester	Number of ECTS
<b>1<sup>st</sup> Semester</b>								
1.	Compulsory	Introduction to Human Biology	BMS100	4	50	14	56	6
2.	Compulsory	Calculus	BMS105	3	50	14	42	6
3.	Compulsory	General and Inorganic Chemistry	BMS110	5	50	14	70	6
4.	Compulsory	English for Health Sciences III	EHL102	3	50	14	42	6
5.	Compulsory	Laboratory Calculations in Biomedical Sciences	BMS115	3	50	14	42	6
<b>2<sup>nd</sup> Semester</b>								
6.	Compulsory	Organic Chemistry	BMS120	5	50	14	70	6
7.	Compulsory	Anatomy-Physiology I	BMS130	3	50	14	42	6
8.	Compulsory	Cell Biology	BMS135	4	50	14	56	6
9.	Compulsory	Academic Skills	HLS100	2	50	14	28	3
10.	Compulsory	Physics for Biomedical Sciences	BMS140	2	50	14	28	3
11.	Compulsory	Applied Biostatistics	BMS145	3	50	14	42	6
<b>3<sup>rd</sup> Semester</b>								

12.	Compulsory	Anatomy-Physiology II	BMS200	3	50	14	42	6
13.	Compulsory	Basic Epidemiology	BMS205	3	50	14	42	6
14.	Compulsory	Molecular Biology	BMS210	6	50	14	84	6
15.	Compulsory	Biochemistry I	BMS220	5	50	14	70	6
16.	Compulsory	Biotechnology	BMS225	3	50	14	42	6
<b>4<sup>th</sup> Semester</b>								
17.	Compulsory	Biochemistry II	BMS230	4	50	14	56	6
18.	Compulsory	Histology	BMS235	4	50	14	56	6
19.	Compulsory	Introduction to Genetics	BMS240	4	50	14	56	6
20.	Compulsory	Developmental Biology and Embryology	BMS245	3	50	14	42	6
21.	Compulsory	Bioethics and Scientific Integrity	BMS250	3	50	14	42	6
<b>5<sup>th</sup> Semester</b>								
22.	Compulsory	Human Microbiome and its Implications in Health and Disease	BMS300	3	50	14	42	6
23.	Compulsory	General Microbiology	BMS305	5	50	14	70	6
24.	Compulsory	Medical Genetics	BMS310	4	50	14	56	6
25.	Compulsory	Basic Immunology	BMS315	4	50	14	56	6
26.	Free Elective			3	50	14	42	6
<b>6<sup>th</sup> Semester</b>								
27.	Compulsory	Bioinformatics	BMS320	4	50	14	56	6

28.	Compulsory	Clinical Immunology and Hematology	BMS330	4	50	14	56	6
29.	Compulsory	Cancer Biology	BMS335	3	50	14	42	6
30.	Compulsory	Drugs and Disease	BMS340	3	50	14	42	6
31.	Compulsory	Research Methodology in Health Sciences	HEA190	3	50	14	42	6
<b>7<sup>th</sup> Semester</b>								
32.	Compulsory	Undergraduate Thesis I	BMS400	3	50	5	15	6
33.	Compulsory	Systems Biomedicine	BMS405	3	50	14	42	6
34.	Compulsory	Clinical Chemistry	BMS410	4	50	14	56	6
35.	Compulsory	Placement	BMS420	--	--	--	--	6
36.	Free Elective			3	50	14	42	6
<b>8<sup>th</sup> Semester</b>								
37.	Compulsory	Undergraduate Thesis II	BMS425	--	--	--	--	6
38.	Compulsory	Pathobiology & Precision Medicine	BMS430	3	50	14	42	6
39.	Compulsory	Medical Microbiology	BMS435	3	50	14	42	6
40.	Compulsory	Proactive Aging and Regenerative Medicine	BMS440	3	50	14	42	6
41.	Free Elective			3	50	14	42	6