

T.C.  
SELÇUK UNIVERSITY RECTORATE  
Faculty of Science Dean's Office  
Department of Biochemistry  
2022-2023 Academic Year Education  
Fall and Spring Semester Courses

**CLASS 1  
SEMESTER I**

Course Code	Course Title	Credit			ECTS
		T	U	K	
2715101	General Chemistry I	4	0	4	6
2715102	Laboratory of General Chemistry I	1	2	2	3
2715103	General Physics	2	0	2	3
2715104	Mathematics I	2	0	2	3
2715105	General Biology	4	0	4	6
2715106	English I	2	0	2	3
2715107	Turkish Language I	2	0	2	2
2715108	Atatürk's Principles and Turkish Revolution History I	2	0	2	2
2715109	Occupational Health and Safety I	2	0	2	2
	<b>TOTAL CREDIT</b>	<b>21</b>	<b>2</b>	<b>22</b>	<b>30</b>

**CLASS 1  
SEMESTER II**

Course Code	Course Title	Credit			ECTS
		T	U	K	
2715201	General Chemistry II	4	0	4	6
2715202	Laboratory of General Chemistry II	1	2	2	3
2715203	Cell Biology	4	0	4	6
2715204	Mathematics II	3	0	3	3
2715205	Laboratory of Cell Biology	1	2	2	3
2715206	English II	2	0	2	3
2715207	Turkish Language II	2	0	2	2
2715208	Atatürk's Principles and Turkish Revolution History II	2	0	2	2
2715209	Occupational Health and Safety II	2	0	2	2
	<b>TOTAL CREDIT</b>	<b>21</b>	<b>4</b>	<b>23</b>	<b>30</b>

**CLASS 2  
SEMESTER III**

Course Code	Course Title	Credit			ECTS
		T	U	K	
2715301	Analytical Chemistry	4	0	4	5
2715302	Laboratory of Analytical Chemistry	1	4	3	4
2715303	Introduction to Biochemistry	3	0	3	5
2715304	Organic Chemistry	4	0	4	5
2715305	Microbiology	2	1	2,5	4
2715306	Histology	2	0	2	3
	TOS (Non-Technical Elective Course)	2	0	2	4
	<b>TOTAL CREDIT</b>	<b>18</b>	<b>5</b>	<b>20,5</b>	<b>30</b>

**CLASS 2  
SEMESTER IV**

Course Code	Course Title	Credit			ECTS
		T	U	K	
2715401	Molecular Genetics	4	0	4	5
2715402	Immunology	3	0	3	3
2715403	Biochemistry I	4	0	4	5
2715404	Laboratory of Biochemistry I	1	4	3	4
2715405	Bioorganic Chemistry	3	0	3	5
2715406	Inorganic Chemistry	2	0	2	4
	TOS (Non-Technical Elective Course)	2	0	2	4
	<b>TOTAL CREDIT</b>	<b>19</b>	<b>4</b>	<b>21</b>	<b>30</b>

**CLASS 3  
SEMESTER V**

Course Code	Course Title	Credit			ECTS
		T	U	K	
2715501	Biophysical Chemistry	2	0	2	3
2715502	Laboratory of Molecular Genetics	1	2	2	3
2715503	Biochemistry II	4	0	4	5
2715504	Laboratory of Biochemistry II	1	4	3	4
2715505	Biostatistics	2	0	2	3
2715506	Professional English	2	0	2	2
	Elective Course I	3	0	3	5
	Elective Course II	3	0	3	5
	<b>TOTAL CREDIT</b>	<b>18</b>	<b>6</b>	<b>21</b>	<b>30</b>

**CLASS 3  
SEMESTER VI**

Course Code	Course Title	Credit			ECTS
		T	U	K	
2715601	Instrumental Analysis	4	0	4	5
2715602	Laboratory of Biochemical Analysis	1	2	2	3
2715603	Biochemistry III	4	0	4	5
2715604	Laboratory of Biochemistry III	1	4	3	4
2715605	Enzymology	2	0	2	3
	Elective Course III	3	0	3	5
	Elective Course IV	3	0	3	5
	<b>TOTAL CREDIT</b>	<b>18</b>	<b>6</b>	<b>21</b>	<b>30</b>

**CLASS 4  
SEMESTER VII**

Course Code	Course Title	Credit			ECTS
		T	U	K	
2715701	Food Biochemistry	2	0	2	2
2715702	Medical Biochemistry	3	0	3	3
2715710	Research Project I	3	1	3.5	5
2715711	Internship	0	2	1	4
	Elective Course V	3	0	3	4
	Elective Course VI	3	0	3	4
	Elective Course VII	3	0	3	4
	Elective Course VIII	3	0	3	4
	<b>TOTAL CREDIT</b>	<b>20</b>	<b>3</b>	<b>21.5</b>	<b>30</b>

**CLASS 4  
SEMESTER VIII**

Course Code	Course Title	Credit			ECTS
		T	U	K	
2715801	Bioprocess	3	0	3	3
2715802	Laboratory of Bioprocess	1	2	2	2
2715810	Research Project II	3	1	3.5	5
	Elective Course IX	3	0	3	5
	Elective Course X	3	0	3	5
	Elective Course XI	3	0	3	5
	Elective Course XII	3	0	3	5
	<b>TOTAL CREDIT</b>	<b>19</b>	<b>3</b>	<b>20.5</b>	<b>30</b>

**Grand Total Credit : 170,5**

**TOTAL ECTS : 240 + Internship**

