

BEZMIALEM VAKIF UNIVERSITY INSTITUTE OF HEALTH SCIENCES BIOTECHNOLOGY DOCTORATE PROGRAM COURSE PLAN TO BE APPLIED FOR THE 2023-2024 ACADEMIC YEAR AND BEYOND (FOR APPLICATIONS WITH BACHELOR OF SCIENCE DEGREE)													
1. SEMESTER/2. SEMESTER							1. SEMESTER/2. SEMESTER						
Course Code	Course Name	C/E	T	P	Cr	ECTS	Course Code	Course Name	C/E	T	P	Cr	ECTS
	Compulsory Course	C						Compulsory Course	C				
	Elective Course	E						Elective Course	E				
The total of 1-4 semesters must be at least 42 credits and 120 ECTS At least 14 courses must be taken, excluding the seminar course The seminar course can be taken in one of the course periods following the advisor assignment													
3. SEMESTER/4. SEMESTER							3. SEMESTER/4. SEMESTER						
Course Code	Course Name	C/E	T	P	Cr	ECTS	Course Code	Course Name	C/E	T	P	Cr	ECTS
	Elective Course	E						Elective Course	E				
The total of 1-4 semesters must be at least 42 credits and 120 ECTS At least 14 courses must be taken, excluding the seminar course The seminar course can be taken in one of the course periods following the advisor assignment													
5. SEMESTER/6. SEMESTER							5. SEMESTER/6. SEMESTER						
Course Code	Course Name	C/E	T	P	Cr	ECTS	Course Code	Course Name	C/E	T	P	Cr	ECTS
BYT6224	Doctoral Qualification Exam	Z	0	0	0	30	BYT6005	Specialization Course I	Z	4	0	4	6
							BYT6000	Doctoral Thesis Study I	Z	0	0	0	24
Total Credits					0	30	Total Credits					4	30
7. SEMESTER/8. SEMESTER							7. SEMESTER/8. SEMESTER						
Course Code	Course Name	C/E	T	P	Cr	ECTS	Course Code	Course Name	C/E	T	P	Cr	ECTS
BYT6006	Specialization Course II	Z	4	0	4	6	BYT6007	Specialization Course III	Z	4	0	4	6
BYT6001	Doctoral Thesis Study II	Z	0	0	0	24	BYT6002	Doctoral Thesis Study III	Z	0	0	0	24
Total Credits					4	30	Total Credits					4	30
9. SEMESTER/10. SEMESTER							9. SEMESTER/10. SEMESTER						
Course Code	Course Name	C/E	T	P	Cr	ECTS	Course Code	Course Name	C/E	T	P	Cr	ECTS
BYT6008	Specialization Course IV	Z	4	0	4	6	BYT6009	Specialization Course V	Z	4	0	4	6
BYT6003	Doctoral Thesis Study IV	Z	0	0	0	24	BYT6010	Doctoral Thesis Study V	Z	0	0	0	24
Total Credits					4	30	Total Credits					4	30
COMPULSORY COURSES													
Course Code	Course Name	T	P	Cr	ECTS								
SBE7102	Research Techniques and Ethics	3	0	3	5								
BYT6201	Biotechnology	3	0	3	10								
BYT6202	Cell Molecular Biology I	3	0	3	7								
BYT6004	Seminar	0	0	0	10								
ELECTIVE COURSES													
Course Code	Course Name	T	P	Cr	ECTS								
BYT6208	Pharmaceutical Biotechnology	3	0	3	8								
BYT6209	Pharmacogenomics and Genotoxicity	2	2	3	8								
BYT6210	The Use of Proteins, Peptides and Aptamers in Therapeutics and Diagnostics	3	0	3	7								
BYT6211	Controlled Drug Delivery Systems	3	0	3	7								
BYT6212	Regulations on Biotechnological Products	3	0	3	7								
BYT6213	Bioinformatics and Its Applications	2	2	3	8								
BYT6214	Toxicology	3	0	3	7								
BYT6215	Structures and Biochemistry of Receptors and Enzymes	3	0	3	8								
BYT6216	Molecular Biology of Cancer	3	0	3	8								
BYT6217	Biologically Derived Drugs	3	0	3	8								
BYT6218	Pharmacology	3	0	3	7								
BYT6219	Biosensors	3	0	3	8								
BYT6220	Stem Cell Biology	3	0	3	8								
BYT6221	Immunology and Immunological Techniques	2	2	3	8								
BYT6222	Epigenetics	3	0	3	7								
BYT6223	Bioinorganic Chemistry	3	0	3	8								
BYT6225	Theranostic Nanosystems	3	0	3	8								
SBE7101	Biostatistics	3	0	3	5								
SBE7103	Science Diplomacy	3	0	3	5								
SBE7104	Medical English I	3	0	3	5								
SBE7105	Medical English II	3	0	3	5								