

BEZMIALEM VAKIF UNIVERSITY INSTITUTE OF HEALTH SCIENCES BIOTECHNOLOGY DOCTORATE PROGRAM COURSE PLAN TO BE APPLIED FOR THE 2023-2024 ACADEMIC YEAR AND BEYOND													
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 the 1st and 2nd Semesters must be at least 21 credits and 60 ECTS. At least 7 courses must be taken, excluding the seminar course. The seminar course can be taken in the period following the appointment of the advisor.													
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
BYT6224	Doctoral Qualification Exam	C	0	0	0	30	BYT6005	Specialization Course I	C	4	0	4	6
							BYT6000	Doctoral Thesis Study I	C	0	0	0	24
Total Credits					0	30	Total Credits					4	30
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
BYT6006	Specialization Course II	C	4	0	4	6	BYT6007	Specialization Course III	C	4	0	4	6
BYT6001	Doctoral Thesis Study II	C	0	0	0	24	BYT6002	Doctoral Thesis Study III	C	0	0	0	24
Total Credits					4	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
BYT6008	Specialization Course IV	C	4	0	4	6	BYT6009	Specialization Course V	C	4	0	4	6
BYT6003	Doctoral Thesis Study IV	C	0	0	0	24	BYT6010	Doctoral Thesis Study V	C	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								