

**BEZMİALEM VAKIF ÜNİVERSİTESİ**  
**SAGLIK BİLİMLERİ ENSTİTÜSÜ**  
**DRUG DISCOVERY AND DEVELOPMENT PhD CURRICULUM**  
**(BSc graduates)**

SEMESTER I/II							SEMESTER I/II								
Code	Course	Z/S	T	U	K	ECTS	Code	Course	Z/S	T	U	K	ECTS		
DDD6001	The Drug Discovery Process	Z	4	0	4	10	DDD6002	Molecular Pharmacology and Bioactivity Assays	Z	3	0	3	9		
SBE7102E	Research and Publication Ethics	Z	3	0	3	5		Elective Courses	S			9	23		
	Elective Courses	S			6	15									
<b>Total</b>						<b>13</b>	<b>30</b>	<b>Total</b>						<b>12</b>	<b>32</b>
SEMESTER III/IV							SEMESTER III/IV								
Code	Course	Z/S	T	U	K	ECTS	Code	Course	Z/S	T	U	K	ECTS		
	Elective Courses	S			12	30		Elective Courses	S			6	15		
							DDD6003	Seminar	Z	0	0	0	10		
<b>Total</b>						<b>12</b>	<b>30</b>	<b>Total</b>						<b>6</b>	<b>30</b>
SEMESTER V/VI							SEMESTER V/VI								
Code	Course	Z/S	T	U	K	ECTS	Code	Course	Z/S	T	U	K	ECTS		
DDD6017	Qualification Exam	Z	0	0	0	30	DDD6018	Special Subject I	Z	4	0	4	6		
							DDD6019	PhD Dissertation I	Z	0	0	0	24		
<b>Total</b>						<b>0</b>	<b>30</b>	<b>Total</b>						<b>4</b>	<b>30</b>
SEMESTER VII/VIII							SEMESTER VII/VIII								
Code	Course	Z/S	T	U	K	ECTS	Code	Course	Z/S	T	U	K	ECTS		
DDD6020	Special Subject II	Z	4	0	4	6	DDD6022	Special Subject III	Z	4	0	4	6		
DDD6021	PhD Dissertation II	Z	0	0	0	24	DDD6023	PhD Dissertation III	Z	0	0	0	24		
<b>Total</b>						<b>4</b>	<b>30</b>	<b>Total</b>						<b>4</b>	<b>30</b>
SEMESTER IX/X							SEMESTER IX/X								
Code	Course	Z/S	T	U	K	ECTS	Code	Course	Z/S	T	U	K	ECTS		
DDD6024	Special Subject IV	Z	4	0	4	6	DDD6026	Special Subject V	Z	4	0	4	6		
DDD6025	PhD Dissertation IV	Z	0	0	0	24	BYT6010	PhD Dissertation V	Z	0	0	0	24		
<b>Total</b>						<b>4</b>	<b>30</b>	<b>Total</b>						<b>4</b>	<b>30</b>
ECELTIVE COURSES															
Code	Course	T	U	K	ECTS										
SBE7101E	Biostatistics	3	0	3	5										
DDD6004	Biochemistry and Pharmacology	3	0	3	8										
DDD6005	Toxicology	3	0	3	7										
DDD6006	Molecular Modelling Studies in Drug Design	2	2	3	8										
DDD6007	Design and Discovery of Oncological Drugs	3	0	3	8										
DDD6008	Design and Discovery of Neurological Drugs	3	0	3	8										
DDD6009	Design and Discovery of Cardiovascular Drugs	3	0	3	8										
DDD6010	Design and Discovery of Antimicrobial Drugs	3	0	3	8										
DDD6011	Bioanalysis	3	0	3	7										
DDD6012	Medicinal Natural Products	3	0	3	8										
DDD6013	Structure Elucidation of Organic Compounds	3	0	3	8										
DDD6014	Pharmacogenomic Research in Saliva	3	0	3	7										
DDD6015	The Role of Kidney in Metabolism	3	0	3	7										
DDD6016	Molecular Dynamics Simulations	2	2	3	7										
DDD6017	Introductory Bioinformatics	2	2	3	7										
DDD6018	Advances in Medicinal Chemistry I	2	2	3	7										
DDD6019	Advances in Medicinal Chemistry II	2	2	3	7										

Z	Compulsory course
S	Elective course
T	Theoretical hours per week
U	Practical hours per week
K	equals (T+0.5*U)