

BEZMIALEM VAKIF UNIVERSITY INSTITUTE OF HEALTH SCIENCES DRUG DISCOVERY AND DEVELOPMENT PHD PROGRAM CURRICULUM TO BE PERFORMED ON 2020-2021 ACADEMIC YEAR AUTUMN TERM AND AFTERWARDS															
SEMESTER 1/2							SEMESTER 1/2								
Code	Course	C/E	T	P	EQ	ECTS	Code	Course	C/E	T	P	EQ	ECTS		
DDD6001	The Drug Discovery Process	C	4	0	4	10	DDD6002	Molecular Pharmacology and Bioactivity Assays	C	3	0	3	9		
SBE7102E	Research and Publication Ethics	C	3	0	3	5	DDD6003	Seminar	C	0	0	0	10		
	Elective Courses	E			6	15		Elective Courses	E			6	15		
<b>Total</b>						<b>13</b>	<b>30</b>	<b>Total</b>						<b>9</b>	<b>34</b>
SEMESTER 3/4							SEMESTER 3/4								
Code	Course	C/E	T	P	EQ	ECTS	Code	Course	C/E	T	P	EQ	ECTS		
DDD6017	Qualification Exam	C	0	0	0	30	DDD6018	Special Subject I	C	4	0	4	6		
							DDD6019	PhD Dissertation I	C	0	0	0	24		
<b>Total</b>						<b>0</b>	<b>30</b>	<b>Total</b>						<b>4</b>	<b>30</b>
SEMESTER 5/6							SEMESTER 5/6								
Code	Course	C/E	T	P	EQ	ECTS	Code	Course	C/E	T	P	EQ	ECTS		
DDD6020	Special Subject II	C	4	0	4	6	DDD6022	Special Subject III	C	4	0	4	6		
DDD6021	PhD Dissertation II	C	0	0	0	24	DDD6023	PhD Dissertation III	C	0	0	0	24		
<b>Total</b>						<b>4</b>	<b>30</b>	<b>Total</b>						<b>4</b>	<b>30</b>
SEMESTER 7/8							SEMESTER 7/8								
Code	Course	C/E	T	P	EQ	ECTS	Code	Course	C/E	T	P	EQ	ECTS		
DDD6024	Special Subject IV	C	4	0	4	6	DDD6026	Special Subject V	C	4	0	4	6		
DDD6025	PhD Dissertation IV	C	0	0	0	24	BYT6027	PhD Dissertation V	C	0	0	0	24		
<b>Total</b>						<b>4</b>	<b>30</b>	<b>Total</b>						<b>4</b>	<b>30</b>
ELECTIVE COURSES															
Code	Course	T	P	EQ	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	2	2	3	7										
DDD6016	Molecular Dynamics Simulations	2	2	3	7										
DDD6028	Introductory Bioinformatics	2	2	3	7										
DDD6029	Advances in Medicinal Chemistry	2	2	3	7										
DDD6030	Advances in Medicinal Chemistry II	2	2	3	7										
DDD6031	Introduction to Machine Learning	2	2	3	7										
DDD6032	Experimental Techniques in Molecular Biology	3	0	3	8										

C	Compulsory course
E	Elective course
T	Theoretical hours per week
P	Practical hours per week
EQ	equals (T+0.5*U)