

BEZMIALEM VAKIF UNIVERSITY
INSTITUTE OF HEALTH SCIENCES
DRUG DISCOVERY AND DEVELOPMENT PHD
CURRICULUM TO BE PERFORMED ON 2020-2021 ACADEMIC YEAR AUTUMN TERM AND AFTERWARDS
(BSC GRADUATES)

SEMESTER I/II							SEMESTER I/II								
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		Elective Courses	E			9	23		
	Elective Courses	E			6	15									
Total						13	30	Total						12	32
SEMESTER III/IV							SEMESTER III/IV								
Code	Course	C/E	T	P	EQ	ECTS	Code	Course	C/E	T	P	EQ	ECTS		
	Elective Courses	E			12	30		Elective Courses	E			6	15		
							DDD6003	Seminar	C	0	0	0	10		
Total						12	30	Total						6	30
SEMESTER V/VI							SEMESTER V/VI								
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		
Total						0	30	Total						4	30
SEMESTER VII/VIII							SEMESTER VII/VIII								
Code	Course	C/E	T	P	EQ	ECTS	Code	Course	C/E	T	P	EQ	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		
Total						4	30	Total						4	30
SEMESTER IX/X							SEMESTER IX/X								
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		
Total						4	30	Total						4	30

ECELITIVE 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	3	0	3	7
DDD6016	Molecular Dynamics Simulations	2	2	3	7
DDD6028	Introductory Bioinformatics	2	2	3	7
DDD6029	Advances in Medicinal Chemistry I	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)