

BEZHALEM VAKIF UNIVERSITY
INSTITUTE OF HEALTH SCIENCES
DRUG DISCOVERY AND DEVELOPMENT MSc PROGRAM
CURRICULUM TO BE PERFORMED ON 2025-2026 ACADEMIC YEAR

SEMESTER 1/2							SEMESTER 1/2						
Code	Course	C/E	T	P	EQ	ECTS	Code	Course	C/E	T	P	EQ	ECTS
DDD055	Basics of Drug Discovery	C	3	0	3	10	DDD004	Seminar	C	0	0	0	7
SBE7102E	Research and Publication Ethics	C	3	0	3	5	DDD056	Molecular Pharmacology	C	3	0	3	8
	Elective course I	E	-	-	6	15		Elective course II	E	-	-	6	15

SEMESTER 3/4							SEMESTER 3/4						
Code	Course	C/E	T	P	EQ	ECTS	Code	Course	C/E	T	P	EQ	ECTS
DDD051	Masters research project I	C	-	-	-	24	DDD052	Masters research project II	C	-	-	-	24
DDD053	Masters research project mentoring I	C	-	-	-	6	DDD054	Masters research project mentoring II	C	-	-	-	6
Total							Total						
12							9						
30							30						

ELECTIVE COURSES					
Code	Course	T	P	EQ	ECTS
DDD006	Computer-aided drug design and discovery techniques	2	2	3	8
DDD007	Current and future drugs for neurological disorders	3	0	3	8
DDD008	Current and future drugs for cardiovascular diseases	3	0	3	8
DDD009	Current and future chemotherapeutic agents	3	0	3	8
DDD012	Biopharmaceuticals	3	0	3	8
DDD013	Bioanalytical chemistry in drug discovery	3	0	3	8
SBE7101	Biostatistics	3	0	3	5
DDD057	Advanced Organic Chemistry	3	0	3	8
DDD058	Introduction to Pharmacokinetics	3	0	3	8
DDD059	Fundamental Techniques in Pharmacology	3	0	3	8
DDD002	Preclinical and clinical studies	3	0	3	8
DDD060	Basics Structure Elucidation of Organic Compounds	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)