

ECZACILIK FAKÜLTESİ / FACULTY OF PHARMACY

BİRİNCİ YARIYIL (GÜZ) / FIRST SEMESTER

Kod Code	Dersler Courses	Önkoşul Prerequisite	T	U	L	Y Credit	AKTS ECTS
PHAR 101	Introduction to Pharmacy		2	0	0	2	3
PHAR 103	Molecular Biology and Genetics		3	0	0	3	4
PHAR 105	General Chemistry		3	0	0	3	5
PHAR 121	Physics for Health Sciences		2	0	0	2	3
HUM 103	Humanities		2	0	0	2	3
MATH 160	Introductory Calculus		3	0	0	3	5
MDP 120	Anatomy		3	0	0	3	4
XXX	Elective 1		2	0	0	2	3
Total			20	0	0	20	30

İKİNCİ YARIYIL (BAHAR) / Second Semester

Kod Code	Dersler Courses	Önkoşul Prerequisite	T	U	L	Y Credit	AKTS ECTS
PHAR 114	Pharmaceutical Organic Chemistry 1		2	0	0	2	4
PHAR 118	Communication Skills		2	0	0	2	3
PHAR 124	Computer Usage in Pharmacy		1	2	0	2	4
PHAR 126	Public Health		2	0	0	2	3
PHAR 142	Physiology		3	0	0	3	4
PHAR 154	Nutrition and Health		2	0	0	2	3
PHAR 156	Basic First Aid		2	0	0	2	3
MDP 102	Biostatistics		2	0	0	2	3
XXX	Elective 2		2	0	0	2	3
Total			18	2	0	19	30

ÜÇÜNCÜ YARIYIL (GÜZ) / Third Semester

Kod Code	Dersler Courses	Önkoşul Prerequisite	T	U	L	Y Credit	AKTS ECTS
PHAR 213	Pharmaceutical Organic Chemistry 2 + Lab.	PHAR 114	4	0	4	6	6
PHAR 233	Pathophysiology	PHAR 142	2	0	0	2	3
PHAR 255	Pharmaceutical Analytical Chemistry 1		2	0	0	2	3
PHAR 293	Practical Pharmacy Training 1		1	2	0	2	3
MDP 220	Pharmaceutical Microbiology		3	0	0	3	4
MDP 221	Biochemistry		3	0	0	3	4
PSY 220	Psychology for Health Sciences		2	0	0	2	3
TKL 201	Turkish Language 1		2	0	0	2	2
XXX	Elective 3		2	0	0	2	2
Total			21	2	4	24	30

DÖRDÜNCÜ YARIYIL (BAHAR) / Fourth Semester

Kod Code	Dersler Courses	Önkoşul Prerequisite	T	U	L	Y Credit	AKTS ECTS
PHAR 212	Pharmaceutical Chemistry 1 + Lab. 1	PHAR 213	4	0	4	6	6
PHAR 232	Pharmacology 1	PHAR 142	4	0	0	4	5
PHAR 234	Medicinal Plants+Lab		3	0	4	5	6
PHAR 256	Pharmaceutical Analytical Chemistry 2+Lab.		3	0	4	5	6
MDP 240	Immunology		2	0	0	2	3
TKL 202	Turkish Language 2		2	0	0	2	2
PHAR 294	Practical Pharmacy Training 2		1	2	0	2	2
Total			19	2	12	26	30

BEŞİNCİ YARIYIL (GÜZ) / Fifth Semester

Kod Code	Dersler Courses	Önkoşul Prerequisite	T	U	L	Y Credit	AKTS ECTS
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PHAR	295	Community Pharmacy Training 1		0	6	0	3	3
PHAR	303	Pharmaceutical Technology 1 + Lab. 1		4	0	4	6	6
PHAR	311	Pharmaceutical Chemistry 2 + Lab. 2		4	0	4	6	7
PHAR	321	Pharmacognosy 1+Lab. 1		4	0	4	6	7
PHAR	331	Pharmacology 2		4	0	0	4	5
HTR	301	History of Turkish Revolution 1		2	0	0	2	2
Total				18	6	12	27	30

ALTINCI YARIYIL (BAHAR) / Sixth Semester

Kod Code	Dersler Courses	Önkoşul Prerequisite	T	U	L	Y Credit	AKTS ECTS	
PHAR	308	Pharmaceutical Technology 2 + Lab. 2	4	0	4	6	7	
PHAR	312	Pharmaceutical Toxicology+ Lab.	3	0	4	5	7	
PHAR	316	Pharmacology 3	2	0	0	2	4	
PHAR	318	Pharmaceutical Chemistry 3	2	0	0	2	3	
PHAR	322	Pharmacognosy 2 + Lab. 2	4	0	4	6	7	
HTR	302	History of Turkish Revolution 2	2	0	0	2	2	
Total				17	0	12	23	30

YEDİNCİ YARIYIL (GÜZ) / Seventh Semester

Kod Code	Dersler Courses	Önkoşul Prerequisite	T	U	L	Y Credit	AKTS ECTS	
PHAR	391	Community Pharmacy Training 2	0	6	0	3	3	
PHAR	401	Clinical Pharmacy Application 1	0	4	0	2	4	
PHAR	403	Clinical Pharmacy / Pharmaceutical Care 1	2	0	0	2	3	
PHAR	413	Clinical Toxicology	2	0	0	2	3	
PHAR	415	Pharmacy Management	2	0	0	2	3	
PHAR	425	Phytotherapy And Applications	2	0	2	3	4	
PHAR	427	Cosmetology+ Lab.	2	0	2	3	4	
PHAR	431	Clinical Biochemistry	2	0	0	2	3	
PHAR	433	Preventive Health	2	0	0	2	3	
Total				14	10	4	21	30

SEKİZİNCİ YARIYIL (BAHAR) / Eighth Semester

Kod Code	Dersler Courses	Önkoşul Prerequisite	T	U	L	Y Credit	AKTS ECTS	
PHAR	402	Clinical Pharmacy Practice 2	0	4	0	2	3	
PHAR	404	Clinical Pharmacy / Pharmaceutical Care 2	2	0	0	2	3	
PHAR	408	Literature Evaluation And Project	2	0	0	2	3	
PHAR	412	Pharmacokinetics	2	0	0	2	3	
PHAR	414	Biopharmaceutics	2	0	0	2	3	
PHAR	416	Pharmacotherapy	2	0	0	2	3	
PHAR	422	Pharmaceutical Biotechnology	2	0	0	2	3	
PHAR	436	Pharmaceutical History And Deontology	2	0	0	2	3	
PHAR	494	Drug Quality Management	2	0	0	2	3	
PHAR	496	Drug Analysis	2	0	0	2	3	
Total				18	4	0	20	30

DOKUZUNCU YARIYIL (GÜZ) / Ninth Semester

Kod Code	Dersler Courses	Önkoşul Prerequisite	T	U	L	Y Credit	AKTS ECTS
PHAR	491	Optional Training	0	6	0	3	3
PHAR	501	Graduation Project 1	2	6	0	5	6
PHAR	521	Pharmaceutical Regulations	2	0	0	2	3
PHAR	xxx	Elective 1	2	0	0	2	3
PHAR	xxx	Elective 2	2	0	0	2	3
PHAR	xxx	Elective 3	2	0	0	2	3

PHAR	xxx	Elective 4		2	0	0	2	3
PHAR	xxx	Elective 5		2	0	0	2	3
PHAR	xxx	Elective 6		2	0	0	2	3
Total				16	12	0	22	30

ONUNCU YARIYIL (BAHAR) / Tenth Semester

Kod Code		Dersler Courses	Önkoşul Prerequisite	T	U	L	Y Credit	AKTS ECTS	
PHAR	502	Graduation Project 2		2	6	0	5	6	
PHAR	510	Graduation Training		0	24	0	12	16	
PHAR	522	Pharmacoeconomy and Pharmacoepidemiology		2	0	0	2	3	
PHAR	524	Industrial Pharmacy		2	0	0	2	2	
PHAR	526	New Drug Delivery Systems		2	0	0	2	3	
Total				8	30	0	23	30	
Grand Total								225	300

ELECTIVE COURSES

Kod Code		Dersler Courses	Önkoşul Prerequisite	T	U	L	Y Credit	AKTS ECTS
PHAR	551	Resolving Ethical Cases In Health Care		2	0	0	2	3
PHAR	552	Instrumental Analysis		2	0	0	2	3
PHAR	553	Pharmaceutical Analysis And Validation		2	0	0	2	3
PHAR	554	Computer Aided Drug Design		2	0	0	2	3
PHAR	555	Systems In Traditional And Alternative Medicine		2	0	0	2	3
PHAR	556	Pharmaceutics Care And Patient Education		2	0	0	2	3
PHAR	557	Radiopharmaceuticals		2	0	0	2	3
PHAR	558	Social Pharmacoanthropology		2	0	0	2	3
PHAR	559	Cosmetics Manufacturing		2	0	0	2	3
PHAR	560	Quality Management Systems In Pharmaceutical Industry		2	0	0	2	3
PHAR	561	Pharmacoeconomics And Drug Policy		2	0	0	2	3
PHAR	562	Drug Information		2	0	0	2	3
PHAR	563	Clinical Trials For Drug Research		2	0	0	2	3
PHAR	564	Pharmacovigilance And Applications		2	0	0	2	3
PHAR	565	Pharmaceutical Calculations		2	0	0	2	3
PHAR	566	Natural Cosmetics and Dermocosmetics		2	0	0	2	3
PHAR	567	Food Toxicology		2	0	0	2	3
PHAR	568	Biostatistics Applications		2	0	0	2	3
PHAR	569	Industrial Manufacturing And Tools		2	0	0	2	3
PHAR	570	Basic Principles Of Community/Hospital Pharmacy Management		2	0	0	2	3
PHAR	571	Neutraceuticals And Food Supplements		2	0	0	2	3
PHAR	572	Industrial Applications In Phytotherapy		2	0	0	2	3
PHAR	573	Clinical Pharmacy Applications In Community Pharmacy		2	0	0	2	3
PHAR	574	Rational Drug Usage		2	0	0	2	3
PHAR	575	Herb-Drug Interactions		2	0	0	2	3
PHAR	577	Modern Drug-Delivery Systems In Hospital/Community Pharmacy		2	0	0	2	3
PHAR	579	Agricultural And Veterinary Drugs		2	0	0	2	3
PHAR	580	Health Economics		2	0	0	2	3
PHAR	581	Life Coaching In Pharmacy		2	0	0	2	3
PHAR	582	Pharmacogenomics		2	0	0	2	3
PHAR	583	Safety Tests Of Cosmetic Products And Cosmetic Components		2	0	0	2	3
PHAR	584	Clinical Pharmacy Applications In Community Pharmacy		2	0	0	2	3
PHAR	585	Palliative Pharmaceutical Care		2	0	0	2	3
PHAR	586	Pharmacy Management&Customer Relationship Management		2	0	0	2	3
PHAR	588	Drug Marketing		2	0	0	2	3

PHAR	589	Bioavailability And Bioequivalence Studies		2	0	0	2	3
PHAR	591	Advanced Pharmacotherapy		2	0	0	2	3
PHAR	592	Drug Metabolism		2	0	0	2	3
PHAR	593	Drug-Drug Interactions		2	0	0	2	3
PHAR	594	Medical Devices		2	0	0	2	3

ELECTIVE TRAINING COURSE

Kod Code		Dersler Courses	Önkoşul	T	U	L	Y Credit	AKTS
			Prerequisite					ECTS
PHAR	599	Elective Graduation Training		0	0	0	0	0