

Pharmacy	Courses	Programme Outcomes																				
		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PO13	PO14	PO15	PO16	PO17	PO18	PO19	PO20	PO21
1. Year/Fall	Orientatiton to Pharmacy and Ethics	3	0	3	4	3	0	2	0	0	1	0	1	2	0	5	0	2	0	0	5	2
	General Chemistry	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0
	Physics	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Medical Biology and Genetics I	1	0	1	0	0	0	1	0	0	1	0	0	0	2	0	0	0	0	0	0	0
	Information Technology and Tools I	2	0	2	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	History of the Turkish Republic I	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Turkish Language I	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	English I	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	5	0	0	0	0	0
1. Year/Spring	Organic Chemistry I	2	2	2	0	0	0	1	3	0	1	0	0	1	0	0	0	2	0	0	0	
	Anatomy	1	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	
	Medical Biology and Genetics II	1	0	1	0	0	0	1	0	0	1	0	0	0	2	0	0	0	0	0	0	
	First Aid	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
	Public Health	1	0	3	1	0	0	0	0	0	0	0	0	0	5	2	2	0	0	3	5	
	Information Technology and Tools II	2	0	2	0	0	2	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0
	History of the Turkish Republic II	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Turkish Language II	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
English II	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	5	0	0	0	0	0	
2. Year/Fall	Organic Chemistry II	2	2	2	0	0	0	1	3	0	1	0	0	1	0	0	0	2	0	0	0	
	Analytical Chemistry I	2	0	2	0	0	3	0	3	0	1	0	1	0	0	0	0	2	0	0	0	
	Analytical Chemistry Lab. I	2	0	2	0	0	3	0	3	0	1	0	1	0	0	0	0	2	0	0	0	
	Microbiology	2	0	2	0	0	3	0	2	0	1	0	1	0	0	0	0	2	0	0	0	
	Microbiology Laboratory	2	0	2	0	0	3	0	2	0	1	0	1	0	0	0	0	2	0	0	0	
	History of Pharmacy	3	0	0	0	0	0	0	0	0	0	0	2	0	0	2	0	0	0	3	0	
	Physiology	2	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	English III	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	5	0	0	0	0	
2. Year/Spring	Analytical Chemistry II	2	0	2	0	0	3	0	3	0	1	0	1	0	0	0	0	2	0	0	0	
	Analytical Chemistry Lab. II	2	0	2	0	0	3	0	3	0	1	0	1	0	0	0	0	2	0	0	0	
	Pharmaceutical Botany	2	3	2	1	0	2	0	0	0	1	0	1	0	0	0	0	2	0	0	0	
	Pharmaceutical Botany Laboratory	2	3	2	1	0	2	0	0	0	1	0	1	0	0	0	0	2	0	0	0	
	Biochemistry	1	0	2	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	
	Pharmacology I	3	2	4	5	2	1	3	0	0	2	0	0	2	0	4	0	0	5	0	0	
	Research Methodology and Biostatistic	1	0	3	0	0	0	2	0	0	1	0	0	0	0	0	0	0	0	0	0	
	English IV	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	5	0	0	0	0	
3. Year/Fall	Pharmacology II	3	2	4	5	2	1	3	0	0	2	0	0	2	0	4	0	0	5	0	0	
	Pharmaceutical Chemistry I	4	5	3	3	2	3	3	4	0	3	0	2	2	0	1	0	0	5	0	0	
	Pharmaceutical Chemistry Lab. I	4	5	3	3	2	3	3	4	0	3	0	2	2	0	1	0	0	5	0	0	
	Pharmacognosy I	3	5	3	3	2	3	0	2	0	3	0	2	2	0	1	0	0	5	0	0	
	Pharmacognosy Lab. I	3	5	3	3	2	3	0	2	0	3	0	2	2	0	1	0	0	5	0	0	
	Pharmaceutical Technology I	4	5	3	3	2	3	3	5	0	3	0	2	2	0	3	0	4	5	0	0	
	Pharmaceutical Technology Lab. I	4	5	3	3	2	3	3	5	0	3	0	2	2	0	3	0	4	5	0	0	
	Professional English I	2	0	0	0	0	0	0	0	0	0	0	0	2	0	0	5	0	0	0	0	
3. Year/Spring	Pharmacology III	3	2	4	5	2	1	3	0	0	2	0	0	2	0	4	0	0	5	0	0	
	Pharmaceutical Chemistry II	4	5	3	3	2	3	3	4	0	3	0	2	2	0	1	0	0	5	0	0	
	Pharmaceutical Chemistry Lab. II	4	5	3	3	2	3	3	4	0	3	0	2	2	0	1	0	0	5	0	0	
	Pharmacognosy II	3	5	3	3	2	3	0	2	0	3	0	2	2	0	1	0	0	5	0	0	
	Pharmacognosy Lab. II	3	5	3	3	2	3	0	2	0	3	0	2	2	0	1	0	0	5	0	0	
	Pharmaceutical Technology II	4	5	3	3	2	3	3	5	0	3	0	2	2	0	3	0	4	5	0	0	
	Pharmaceutical Technology Lab. II	4	5	3	3	2	3	3	5	0	3	0	2	2	0	3	0	4	5	0	0	
	Professional English II	2	0	0	0	0	0	0	0	0	0	0	0	2	0	0	5	0	0	0	0	
4. Year/Fall	Phamacotherapy	4	2	4	5	2	0	2	0	0	2	0	0	2	0	5	0	0	0	2	4	
	Pharmaceutical Chemistry III	4	5	3	3	2	3	3	4	0	3	0	2	2	0	1	0	0	5	0	0	
	Pharmaceutical Chemistry Lab. III	4	5	3	3	2	3	3	4	0	3	0	2	2	0	1	0	0	5	0	0	
	Pharmacognosy III	3	5	3	3	2	3	0	2	0	3	0	2	2	0	1	0	0	5	0	0	
	Pharmacognosy Lab. IV	3	5	3	3	2	3	0	2	0	3	0	2	2	0	1	0	0	5	0	0	
	Pharmaceutical Technology III	4	5	3	3	2	3	3	5	0	3	0	2	2	0	3	0	4	5	0	0	
	Pharmaceutical Technology Lab. III	4	5	3	3	2	3	3	5	0	3	0	2	2	0	3	0	4	5	0	0	
	Clinical Pharmacy	4	2	4	5	2	0	2	0	0	2	0	0	2	0	4	0	0	0	0	0	
4. Year/Spring	Clinical Biochemistry	1	0	2	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	
	Pharmaceutical Chemistry IV	4	5	3	3	2	3	3	4	0	3	0	2	2	0	1	0	0	5	0	0	
	Pharmaceutical Chemistry Lab. IV	4	5	3	3	2	3	3	4	0	3	0	2	2	0	1	0	0	5	0	0	
	Phytotherapeutics	3	5	3	3	2	0	0	0	0	1	0	0	2	0	3	0	0	2	0	0	
	Toxicology	3	2	2	1	1	1	0	0	0	1	0	1	0	0	0	0	0	2	0	3	
	Toxicology Lab.	3	2	2	1	1	1	0	0	0	1	0	1	0	0	0	0	0	2	0	3	
	Pharmaceutical Technology IV	4	5	3	3	2	3	3	5	0	3	0	2	2	0	3	0	4	5	0	0	
	Pharmaceutical Technology IV	4	5	3	3	2	3	3	5	0	3	0	2	2	0	3	0	4	5	0	0	
5. Year	Final Project	4	4	4	0	0	2	3	0	0	3	3	4	2	0	0	3	0	0	0	0	
	Patient Counselling	4	3	4	5	2	0	0	0	0	1	3	0	0	0	5	0	0	0	4	4	
	Dermocosmetics	3	5	3	3	2	0	0	3	0	1	3	0	3	0	2	0	2	0	0	3	
	Pharmacy Administration	4	0	2	0	5	4	0	0	5	4	3	0	0	5	2	0	2	0	4	3	
	Pharmacoeconomy	4	0	4	2	5	0	0	0	2	1	3	0	3	4	0	0	0	2	5	0	
	Rational Drug Use	4	2	4	5	2	0	0	0	0	1	3	0	0	5	0	2	0	0	0	4	
	Health Economics	3	2	4	1	5	0	0	0	2	1	3	0	2	0	2	0	0	2	2	0	
	Pharmaceutical Care	4	2	4	5	2	0	0	0	0	1	3	0	0	5	0	0	0	0	3	4	
	Research and Development in Pharmaceutical Sciences	4	4	5	0	4	5	3	0	0	2	3	2	4	0	0	0	0	4	5	0	
	Clinical Research	4	3	4	1	4	3	3	0	0	1	3	2	4	0	0	0	2	2	1	0	
	Pharmaceutical Registration	3	5	3	0	4	0	2	3	0	1	3	0	4	4	0	0	2	1	5	0	
	Biotechnological Products	3	5	3	3	2	4	0	0	0	0	3	0	4	0	0	0	0	3	3	0	
	Biosimilar Drugs	3	5	3	3	2	4	0	0	0	0	3	0	4	0	0	0	0	3	3	0	
	Drug Interactions	4	2	3	5	0	0	0	0	0	1	3	0	0	0	5	0	0	3	0	4	
	Industrial Pharmacy	4	4	4	0	4	3	2	5	3	2	3	0	5	4	0	0	5	4	5	0	
	Radiopharmaceuticals	3	4	3	3	3	2	0	0	0	0	3	0	5	0	0	0	0	1	0	0	
	Nutrition Support in Pharmacy	3	2	2	4	2	0	2	0	0	1	3	0	0	0	3	0	0	0	0	3	
	Non-drug Products and Medical Devices	3	0	3	0	2	3	0	0	0	0	3	0	0	0	2	0	2	0	0	3	
	Scientific Literature Research	2	2	1	0	0	0	2	0	0	2	3	1	3	0	0	3	0	0	0	0	
	Public Relations	2	0	4	2	2	0	0	0	5	3	3	1	0	0	4	0	0	0	0	2	
Pharmaceutical Marketing	2	4	4	0	4	0	0	0	3	1	3	0	0	3	3	0	2	0	1	2		
Course related with programme outcomes/86	77	51	7																			