

**ISTINYE UNIVERSITY  
FACULTY OF PHARMACY**

CODE	COURSE	T	P	ECTS	Language of Instruction	CODE	COURSE	T	P	ECTS	Language of Instruction
<b>1. SEMESTER</b>						<b>2. SEMESTER</b>					
PHAR111	Mathematics	2	0	3	TR/EN	PHAR127	Anatomy	2	1	3	TR/EN
PHAR112	Physics and Biophysics	2	1	3	TR/EN	PHAR128	Histology	2	0	2	TR/EN
PHAR113	General Chemistry	2	1	3	TR/EN	PHAR122	Physiology	2	0	3	TR/EN
PHAR114	Biology, Molecular Biology and Genetics	2	1	3	TR/EN	PHAR123	Biochemistry	2	0	3	TR/EN
PHAR115	First-Aid and Basic Medical Skills	1	1	2	TR/EN	PHAR124	Microbiology and Immunology	2	0	3	TR/EN
PHAR116	Problem Solving, Research Techniques and Writeup Skills	1	1	2	TR/EN	PHAR125	Basics of Community and Hospital Pharmacy	1	2	3	TR/EN
PHAR117	History of Pharmacy and Pharmacy Today	1	1	2	TR/EN	PHAR126	Medical Communication Skills I	1	1	2	TR/EN
PHAR118	Basics of Eight-star and Evidence Based Pharmacy	1	0	1	TR/EN	ESP102	English for Specific Purposes II	4	0	4	EN
ESP101	English for Specific Purposes I	4	0	4	EN	PHAR192	Graduation Project II	0	1	1	TR/EN
PHAR191	Graduation Project I	0	1	1	TR/EN		Foreign Language II (Elective)	0	0	6	SPA/FRA/ITA/GER
	Foreign Language (Elective)	0	0	6	SPA/FRA/ITA/GER		<b>Total</b>	<b>23</b>	<b>2</b>	<b>30</b>	
	<b>Total</b>	<b>16</b>	<b>6</b>	<b>23</b>		<b>SUMMER OF THE FIRST YEAR</b>					
<b>3. SEMESTER</b>						<b>4. SEMESTER</b>					
PHAR211	Organic Chemistry	2	2	5	TR/EN	PHAR131	Apprenticeship I (Community Pharmacy I)	0	160	5	TR/EN
PHAR212	Analytical Chemistry I	2	2	5	TR/EN	PHAR132	Apprenticeship II (Hospital Pharmacy I)	0	80	3	TR/EN
PHAR213	Biostatistics	2	2	4	TR/EN		<b>Total</b>	<b>0</b>	<b>240</b>	<b>8</b>	
PHAR214	Public Health and Epidemiology	2	1	4	TR/EN	<b>5. SEMESTER</b>					
	Foreign Language III (Elective)	0	0	6	SPA/FRA/ITA/GER	PHAR221	Physiopathology and Pathology	2	1	3	TR/EN
PHAR291	Graduation Project III	0	1	1	TR/EN	PHAR222	Analytical Chemistry II	2	2	5	TR/EN
ATA111	Ataturk's Principles and History of Turkish Revolution I	2	0	2	TR	PHAR223	Clinical Biochemistry	2	2	5	TR/EN
TURK111	Turkish Language I	2	0	2	TR	PHAR224	Clinical and Pharmaceutical Microbiology	2	2	5	TR/EN
ISU281	Manifest of Istinye I	0	1	1	TR	PHAR226	The Basics of Drug Development	2	2	4	TR/EN
	<b>Total</b>	<b>12</b>	<b>9</b>	<b>30</b>		PHAR225	Pharmacokinetics and Pharmacodynamics	2	0	2	TR/EN
<b>5. SEMESTER</b>						ATA121	Ataturk's Principles and History of Turkish Revolution II	2	0	2	TR
PHAR311	Pharmaceutical/Medical Chemistry I	2	3	5	TR/EN	TURK121	Turkish Language II	2	0	2	TR
PHAR312	Pharmacology I	3	1	5	TR/EN	PHAR292	Graduation Project IV	0	1	1	TR/EN
PHAR313	Pharmaceutical Technology I	2	3	5	TR/EN	ISU282	Manifest of Istinye II	0	1	1	TR
PHAR314	Pharmaceutical Botany	2	2	5	TR/EN		<b>Total</b>	<b>18/19</b>	<b>3</b>	<b>30</b>	
PHAR315	Pharmacognosy I	2	3	5	TR/EN	<b>SUMMER OF THE SECOND YEAR</b>					
	Area Elective I	0	0	3	TR/EN	PHAR231	Apprenticeship III (Community Pharmacy II)	0	160	5	TR/EN
PHAR391	Graduation Project V	0	1	1	TR/EN	PHAR232	Apprenticeship IV (Clinical Pharmacy I)	0	80	3	TR/EN
ISU381	Manifest of Istinye III	0	1	1	TR		<b>Total</b>	<b>0</b>	<b>240</b>	<b>8</b>	
	<b>Total</b>	<b>11</b>	<b>14</b>	<b>30</b>		<b>6. SEMESTER</b>					
<b>7. SEMESTER</b>						PHAR321	Pharmaceutical/Medical Chemistry II	2	3	5	TR/EN
PHAR411	Clinical Pharmacy I	2	3	5	TR/EN	PHAR322	Pharmacology II	3	1	5	TR/EN
PHAR412	Pharmacotherapy I	2	3	5	TR/EN	PHAR323	Pharmaceutical Technology II	2	3	5	TR/EN
PHAR413	General Toxicology	2	3	5	TR/EN	PHAR324	Pharmacognosy II	2	3	5	TR/EN
PHAR414	Self Care, Non-Prescription Drug Use (OTC)	2	0	2	TR/EN	PHAR325	Principals of Clinical Pharmacy	1	1	2	TR/EN
PHAR415	Evidence-based Traditional Medicine and Phytotherapy	2	1	3	TR/EN	PHAR326	Symptoms and Clinical Conditions	1	0	1	TR/EN
PHAR416	Pharmacy Management	2	1	2	TR/EN	PHAR327	Medical Communication Skills II	1	1	2	TR/EN
PHAR417	Interpretation of Diagnostic Tests	0	1	1	TR/EN		Area Elective II	0	0	3	TR/EN
	Area Elective III	0	0	3	TR/EN	PHAR392	Graduation Project VI	0	1	1	TR/EN
PHAR491	Graduation Project VII	0	1	1	TR/EN	ISU382	Manifest of Istinye IV	0	1	1	TR
	Out of Area Elective I	0	0	3	TR/EN		<b>Total</b>	<b>12</b>	<b>14</b>	<b>30</b>	
	<b>Total</b>	<b>12</b>	<b>13</b>	<b>30</b>		<b>SUMMER OF THE THIRD YEAR</b>					
<b>9. SEMESTER</b>						PHAR331	Apprenticeship V (Community Pharmacy III)	0	160	5	TR/EN
PHAR511	Drug Development and Pharmacovigilance	2	0	2	TR/EN	PHAR332	Apprenticeship VI (Clinical Pharmacy II)	0	80	3	TR/EN
PHAR512	Drug interactions, Adherence, and Patient Security	2	1	3	TR/EN		<b>Total</b>	<b>0</b>	<b>240</b>	<b>8</b>	
PHAR513	Health Promotion and Healthy Aging	2	0	2	TR/EN	<b>8. SEMESTER</b>					
PHAR515	Community/Hospital/Clinical/Industrial Pharmacy Seminars	0	1	1	TR/EN	PHAR421	Clinical Pharmacy II	2	3	5	TR/EN
PHAR514	Cosmetology	2	1	3	TR/EN	PHAR422	Pharmacotherapy II	2	3	5	TR/EN
PHAR516	Medical Data Mining and Bioinformatics	1	2	3	TR/EN	PHAR423	Pharmaceutical Toxicology	2	3	5	TR/EN
PHAR517	Environmental and Global Issues / Occupational Health and Safety / Occupational Pharmacy	2	1	2	TR/EN	PHAR424	Radiopharmacy and Biopharmaceuticals	2	0	2	TR/EN
PHAR518	Leadership and Management	2	0	2	TR/EN	PHAR425	Basics of Drug Engineering and Pharmaceutical Biotechnology	1	1	2	TR/EN
	Area Elective V	0	0	3	TR/EN	PHAR426	Processing of Prescriptions and Dispensing	0	1	1	TR/EN
PHAR591	Graduation Project IX	0	2	6	TR/EN	PHAR427	Placebo Effect	1	0	1	TR/EN
	Out of Area Elective I	0	0	3	TR/EN	PHAR428	Pharmacoeconomy	1	1	2	TR/EN
	<b>Total</b>	<b>13</b>	<b>8</b>	<b>27</b>			Area Elective IV	0	0	3	TR/EN
<b>10. SEMESTER</b>						PHAR492	Graduation Project VIII	0	1	1	TR/EN
PHAR521	Extended Education Program Certificate	0	2	4	TR/EN		Out of Area Elective II	0	0	3	TR/EN
PHAR522	Eight-Star Pharmacy Certificate	0	1	1	TR/EN		<b>Total</b>	<b>11</b>	<b>13</b>	<b>27</b>	
PHAR523	Legislation, Pharmaceutical Licencing, and Patents	2	0	2	TR/EN	<b>SUMMER OF THE FOURTH YEAR</b>					
PHAR524	Biomedical and Medical Products / Agricultural and Veterinary Medicines	2	1	3	TR/EN	PHAR431	Apprenticeship VII (Community Pharmacy IV)	0	80	3	TR/EN
PHAR525	Professional Ethics, Deontology, and malpractice	2	0	2	TR/EN	PHAR432	Apprenticeship VIII (Clinical Pharmacy III)	0	160	5	TR/EN
PHAR526	Entrepreneurship Certificate and Project Writing	2	2	4	TR/EN	PHAR433	Apprenticeship IX (Industrial Pharmacy)	0	80	3	TR/EN
PHAR527	Social Responsibility Project	0	1	1	TR/EN		<b>Total</b>	<b>0</b>	<b>320</b>	<b>11</b>	
PHAR528	Art Literacy	0	1	1	TR/EN	<b>10. SEMESTER</b>					
	Area Elective VI	0	0	3	TR/EN	PHAR521	Extended Education Program Certificate	0	2	4	TR/EN
PHAR592	Graduation Project X	0	2	6	TR/EN	PHAR522	Eight-Star Pharmacy Certificate	0	1	1	TR/EN
	Out of Area Elective I	0	0	3	TR/EN	PHAR523	Legislation, Pharmaceutical Licencing, and Patents	2	0	2	TR/EN
	<b>Total</b>	<b>8</b>	<b>10</b>	<b>27</b>		PHAR524	Biomedical and Medical Products / Agricultural and Veterinary Medicines	2	1	3	TR/EN

**DESCRIPTION**  
TR: Theoric