

**FACULTY OF PHARMACY**  
**...FIVE (5) YEARS.. CURRICULUM**

**1. Semester (Autum)**

Code	Course Title	C/E	T	P	L	C	ECTS
ECZ111	Medical Biology and Genetic	C	2	0	0	2	2
ECZ113	Physics	C	2	0	0	2	2
ECZ115	General Chemistry	C	2	0	0	2	4
ECZ117	Introduction to Pharmacy	C	1	0	0	1	2
GAN001	General Anatomy	C	2	2	0	3	4
ING009	English I	C	14	4	0	14	16
<b>TOTAL</b>							<b>30</b>

**2. Semester (Spring)**

Code	Course Title	C/E	T	P	L	C	ECTS
ECZ112	History of Pharmacy	C	1	0	0	1	2
ECZ114	Biochemistry I	C	3	0	0	3	5
ECZ116	Applied Mathematics in Pharmacy	C	1	0	0	1	4
GFZ001	General Physiology	C	3	0	0	3	3
ING010	English II	C	14	4	0	14	16
<b>TOTAL</b>							<b>30</b>

**3. Semester (Autum)**

Code	Course Title	C/E	T	P	L	C	ECTS
ECZ221	Pharmaceutical Botany I	C	2	0	0	2	2
ECZ223	Pharmaceutical Botany Laboratory I	C	0	0	3	2	2
ECZ225	Biochemistry II	C	2	0	0	2	4
ECZ227	Biochemistry Laboratory II	C	0	0	2	2	3
ECZ229	Organic Chemistry	C	4	0	0	4	6
ECZ231	Legislations and Professional Ethics in Pharmacy	C	2	0	0	2	3
ECZ233	Professional English I	C	2	0	0	2	2
IST001	Biostatistics	C	2	0	0	2	2
BIL001	Health Informatics and Computer Applications I	C	2	0	0	2	2
TDI101	Turkish Language I	C	2	0	0	2	2
ATA101	History of Turkish Republic I	C	2	0	0	2	2
<b>TOTAL</b>							<b>30</b>

**4. Semester (Spring)**

Code	Course Title	C/E	T	P	L	C	ECTS
ECZ222	Pharmaceutical Botany II	C	2	0	0	2	2
ECZ224	Pharmaceutical Botany Laboratory II	C	0	0	3	2	2
ECZ226	Pharmaceutical Microbiology/Immunology	C	3	0	0	3	4
ECZ228	Pharmaceutical Microbiology/Immunology Laboratory	C	0	0	3	2	2
ECZ230	Analytical Chemistry	C	4	0	0	4	5
ECZ232	Analytical Chemistry Laboratory	C	0	0	3	2	4
ECZ234	Public Health in Pharmacy	C	2	0	0	2	2
ECZ236	Professional English II	C	1	0	0	1	1
ECZ238	Pharmacy Internship I	C	0	6	0	2	2
BIL002	Health Informatics and Computer Applications II	C	0	2	0	1	2
TDI102	Turkish Language II	C	2	0	0	2	2
ATA102	History of Turkish Republic II	C	2	0	0	2	2
<b>TOTAL</b>							<b>30</b>

**5. Semester (Autum)**

Code	Course Title	C/E	T	P	L	C	ECTS
ECZ331	Pharmacognosy I	C	3	0	0	3	3
ECZ333	Pharmacognosy Laboratory I	C	0	0	3	2	2
ECZ335	Pharmaceutical Medicinal Chemistry I	C	4	0	0	4	4
ECZ337	Pharmaceutical Medicinal Chemistry Laboratory I	C	0	0	3	2	2
ECZ339	Pharmacology I	C	4	0	0	4	4
ECZ341	Pharmaceutical Technology I	C	3	0	0	3	3
ECZ343	Pharmaceutical Technology Laboratory I	C	0	0	3	2	2
ECZ345	Biochemistry III	C	2	0	0	2	3
ECZ347	Professional English III	C	2	0	0	2	2
	Elective Courses						5
<b>TOTAL</b>							<b>30</b>

**5th Semester Elective Course List**

Code	Course Title	C/E	T	P	L	C	ECTS
BIR967	Introduction to Psychology	E	2	0	0	2	2
BIR963	Communication Skills	E	2	0	0	2	2

BIR969	The Use of Basic Information and Communication Technologies	E	3	0	0	3	3
BIR935	Basic Disaster Information	E	2	0	0	2	2
BIR957	Introduction to Sociology	E	2	0	0	2	3
<b>6. Semester (Spring)</b>							
<b>Code</b>	<b>Course Title</b>	<b>C/E</b>	<b>T</b>	<b>P</b>	<b>L</b>	<b>C</b>	<b>ECTS</b>
ECZ332	Pharmacognosy II	Z	3	0	0	3	3
ECZ334	Pharmacognosy Laboratory II	Z	0	0	3	2	2
ECZ336	Pharmaceutical Medicinal Chemistry II	Z	4	0	0	4	4
ECZ338	Pharmaceutical Medicinal Chemistry Laboratory II	Z	0	0	3	2	2
ECZ340	Pharmacology II	Z	4	0	0	4	4
ECZ342	Pharmaceutical Technology II	Z	3	0	0	3	3
ECZ344	Pharmaceutical Technology Laboratory II	Z	0	0	3	2	2
ECZ346	Biopharmaceutics and Pharmacokinetics	Z	2	0	0	2	2
ECZ348	Professional English IV	Z	1	0	0	1	1
ECZ350	Pharmacy Internship II	Z	0	6	0	2	2
	Elective Courses						5
<b>TOTAL</b>							<b>30</b>
<b>6th Semester Elective Course List</b>							
<b>Code</b>	<b>Course Title</b>	<b>C/E</b>	<b>T</b>	<b>P</b>	<b>L</b>	<b>C</b>	<b>ECTS</b>
BIR914	Diction	S	2	0	0	2	2
BIR920	Management of Patient Relationship	S	2	0	0	2	2
BIR938	History of Civilization	S	2	0	0	2	3
BIR950	Knowledge of Diseases	S	2	0	0	2	2
BIR958	Sign Language	S	2	0	0	2	3
<b>7 Semester (Autum)</b>							
<b>Code</b>	<b>Course Title</b>	<b>C/E</b>	<b>T</b>	<b>P</b>	<b>L</b>	<b>C</b>	<b>ECTS</b>
ECZ441	Pharmacotherapy I	Z	3	0	0	3	3
ECZ443	Pharmaceutical Care	Z	2	2	0	3	4
ECZ445	Cosmetology	Z	2	0	0	2	3
ECZ447	Cosmetology Laboratory	Z	0	0	3	2	2
ECZ449	Pharmacy Management and Accounting	Z	2	0	0	2	2
ECZ451	Medical First Aid	Z	2	0	0	2	2
ECZ453	Clinical Pharmacy Applications I	Z	0	8	0	4	6
	Elective Courses						8
<b>TOTAL</b>							<b>30</b>
<b>7th Semester Elective Course List</b>							
<b>Code</b>	<b>Course Title</b>	<b>C/E</b>	<b>T</b>	<b>P</b>	<b>L</b>	<b>C</b>	<b>ECTS</b>
ECZ455	Phytotherapy	E	2	0	0	2	2
ECZ457	Rational Drug Use	E	2	0	0	2	2
ECZ459	Radiopharmaceutics	E	2	0	0	2	2
ECZ461	Scientific Research Methods and Project Writing	E	1	0	0	1	2
BIR919	Quality management of Health Care system	E	2	0	0	2	2
BIR933	Speaking and Presentation Techniques	E	2	0	0	2	2
<b>8. Semester (Spring)</b>							
<b>Code</b>	<b>Course Title</b>	<b>C/E</b>	<b>T</b>	<b>P</b>	<b>L</b>	<b>C</b>	<b>ECTS</b>
ECZ442	Pharmacotherapy II	C	3	0	0	3	3
ECZ444	Pharmaceutical Biotechnology	C	2	0	0	2	2
ECZ446	Pharmaceutical Technology III	C	2	0	0	2	2
ECZ448	Pharmaceutical Analysis Laboratory	C	0	0	3	2	2
ECZ450	Pharmaceutical Toxicology	C	2	0	0	2	2
ECZ452	Pharmaceutical Toxicology Laboratory	C	0	0	3	2	2
ECZ454	Clinical Pharmacy Applications II	C	0	8	0	4	6
ECZ456	Pharmacy Internship III	C	0	6	0	2	2
	Elective Courses						9
<b>TOTAL</b>							<b>30</b>
<b>8th Semester Elective Course List</b>							
<b>Code</b>	<b>Course Title</b>	<b>C/E</b>	<b>T</b>	<b>P</b>	<b>L</b>	<b>C</b>	<b>ECTS</b>
ECZ458	Patient Assesment Methods and Patient Safety	C	2	0	0	2	3
ECZ460	Professional Management and Leadership	C	2	0	0	2	3
ECZ462	Gerontology	C	2	0	0	2	3
ECZ464	Drug and Substance Abuse	C	2	0	0	2	3
BIR952	Tourism of Health	C	2	0	0	2	3
BIR954	Principles of Nutrition in Health	C	2	0	0	2	3
<b>9. Semester (Autum)</b>							
<b>Code</b>	<b>Course Title</b>	<b>C/E</b>	<b>T</b>	<b>P</b>	<b>L</b>	<b>C</b>	<b>ECTS</b>
ECZ551	Graduation Project I	C	1	8	0	6	9
	5th Semester Elective Course	E	14	0	0	12	21
<b>TOTAL</b>							<b>30</b>
<b>9th Semester Elective Course List</b>							
<b>Code</b>	<b>Course Title</b>	<b>C/E</b>	<b>T</b>	<b>P</b>	<b>L</b>	<b>C</b>	<b>ECTS</b>
ECZ553	Complementary and Alternative Therapeutics	C	2	0	0	2	3

ECZ555	Drug Literature Evaluation and Scientific Presentation Skills	C	2	0	0	2	3
ECZ557	Pharmacy Applications/Patient Consultant	C	2	0	0	2	3
ECZ559	Clinical Research Methods	C	2	0	0	2	3
ECZ561	Chemical Analysis for Bioavailability and Bioequivalence	C	2	0	0	2	3
ECZ563	Drug Delivery Systems	C	2	0	0	2	3
ECZ565	Drug Design and Discovery	C	2	0	0	2	3
ECZ567	Veterinary Drugs	C	2	0	0	2	3
ECZ569	Computer Aided Drug Design Methods	C	1	2	0	2	3
ECZ571	Agricultural Chemicals	C	2	0	0	2	3
ECZ573	Pharmacoeconomy	C	2	0	0	2	3
ECZ575	Pharmacogenomic	C	2	0	0	2	3
ECZ577	Neutraceuticals and Functional Foods	C	2	0	0	2	3
<b>10. Semester (Spring)</b>							
<b>Code</b>	<b>Course Title</b>	<b>C/E</b>	<b>T</b>	<b>P</b>	<b>L</b>	<b>C</b>	<b>ECTS</b>
ECZ552	Graduation Project II	C	1	8	0	6	9
ECZ554	Pharmacy Internship IV	C	0	6	0	6	9
ECZ556	Elective Internship V	E	0	8	0	10	12
<b>TOTAL</b>							<b>30</b>