

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

1. Semester (Fall)							
Code	Course Title	C/E	T	P	L	C	ECTS
ECZ101	Medical Biology and Genetic	C	2	0	0	2	2
ECZ103	Physics	C	2	0	0	2	2
ECZ 105	General Chemistry	C	2	0	0	2	4
ECZ107	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
TOTAL							30

2. Semester (Spring)							
Code	Course Title	C/E	T	P	L	C	ECTS
ECZ102	History of Pharmacy	C	1	0	0	1	2
ECZ104	Biochemistry I	C	3	0	0	3	5
ECZ106	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
TOTAL							30

3. Semester (Fall)							
Code	Course Title	C/E	T	P	L	C	ECTS
ECZ201	Pharmaceutical Botany I	C	2	0	0	2	3
ECZ203	Pharmaceutical Botany Laboratory I	C	0	0	3	2	2
ECZ205	Biochemistry II	C	2	0	0	2	4
ECZ 207	Biochemistry Laboratory II	C	0	0	2	2	3
ECZ209	Organic Chemistry	C	4	0	0	4	5
ECZ211	Legislations and Professional Ethics in Pharmacy	C	2	0	0	2	3
ECZ213	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
TOTAL							30

4. Semester (Spring)							
Code	Course Title	C/E	T	P	L	C	ECTS
ECZ202	Pharmaceutical Botany II	C	2	0	0	2	2
ECZ204	Pharmaceutical Botany Laboratory II	C	0	0	3	2	2
ECZ206	Pharmaceutical Microbiology/Immunology	C	3	0	0	3	4
ECZ208	Pharmaceutical Microbiology/Immunology Laboratory	C	0	0	3	2	2
ECZ210	Analytical Chemistry	C	4	0	0	4	5
ECZ212	Analytical Chemistry Laboratory	C	0	0	3	2	4
ECZ214	Public Health in Pharmacy	C	2	0	0	2	2
ECZ216	Professional English II	C	1	0	0	1	1
ECZ218	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
TOTAL							30

5. Semester (Fall)							
Code	Course Title	C/E	T	P	L	C	ECTS
ECZ301	Pharmacognosy I	C	3	0	0	3	3
ECZ303	Pharmacognosy Laboratory I	C	0	0	3	2	2
ECZ305	Pharmaceutical Medicinal Chemistry I	C	4	0	0	4	4
ECZ307	Pharmaceutical Medicinal Chemistry Laboratory I	C	0	0	3	2	2
ECZ309	Pharmacology I	C	4	0	0	4	4
ECZ311	Pharmaceutical Technology I	C	3	0	0	3	3
ECZ313	Pharmaceutical technology Laboratory I	C	0	0	3	2	2
ECZ315	Biochemistry III	C	2	0	0	2	3
ECZ317	Professional English III	C	2	0	0	2	2
	Elective Courses						5
TOTAL							30

5th Semester Elective Course List							
Code	Course Title	C/E	T	P	L	C	ECTS
BIR915	Introduction to Psychology	E	2	0	0	2	2
BIR923	Communication Skills	E	2	0	0	2	2
BIR927	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
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6. Semester (Spring)

Code	Course Title	C/E	T	P	L	C	ECTS
ECZ302	Pharmacognosy II	Z	3	0	0	3	3
ECZ304	Pharmacognosy Laboratory II	Z	0	0	3	2	2
ECZ306	Pharmaceutical Medicinal Chemistry II	Z	4	0	0	4	4
ECZ308	Pharmaceutical Medicinal Chemistry Laboratory II	Z	0	0	3	2	2
ECZ310	Pharmacology II	Z	4	0	0	4	4
ECZ312	Pharmaceutical Technology II	Z	3	0	0	3	3
ECZ314	Pharmaceutical technology Laboratory II	Z	0	0	3	2	2
ECZ316	Biopharmaceutics and Pharmacokinetics	Z	2	0	0	2	2
ECZ318	Professional English IV	Z	1	0	0	1	1
ECZ320	Pharmacy Internship II	Z	0	6	0	2	2
	Elective Courses						5
TOTAL							30

6th Semester Elective Course List

Code	Course Title	C/E	T	P	L	C	ECTS
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

7 Semester (Fall)

Code	Course Title	C/E	T	P	L	C	ECTS
ECZ401	Pharmacotherapy I	Z	3	0	0	3	3
ECZ403	Pharmaceutical Care	Z	2	2	0	3	4
ECZ405	Cosmetology	Z	2	0	0	2	3
ECZ407	Cosmetology Laboratory	Z	0	0	3	2	2
ECZ409	Pharmacy Management and Accounting	Z	2	0	0	2	2
ECZ411	Medical First Aid	Z	2	0	0	2	2
ECZ413	Clinical Pharmacy Applications I	Z	0	8	0	4	6
	Elective Courses						8
TOTAL							30

7th Semester Elective Course List

Code	Course Title	C/E	T	P	L	C	ECTS
ECZ 415	Phytotherapy	E	2	0	0	2	2
ECZ 417	Rational Drug Use	E	2	0	0	2	2
ECZ 419	Radiopharmaceutics	E	2	0	0	2	2
ECZ 421	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

8. Semester (Spring)

Code	Course Title	C/E	T	P	L	C	ECTS
ECZ402	Pharmacotherapy II	C	3	0	0	3	3
ECZ404	Pharmaceutical Biotechnology	C	2	0	0	2	2
ECZ406	Pharmaceutical Technology III	C	2	0	0	2	2
ECZ408	Pharmaceutical Analysis Laboratory	C	0	0	3	2	2
ECZ410	Pharmaceutical Toxicology	C	2	0	0	2	2
ECZ412	Pharmaceutical Toxicology Laboratory	C	0	0	3	2	2
ECZ414	Clinical Pharmacy Applications II	C	0	8	0	4	6
ECZ416	Pharmacy Internship III	C	0	6	0	2	2
	Elective Courses						9
TOTAL							30

8th Semester Elective Course List

Code	Course Title	C/E	T	P	L	C	ECTS
ECZ 418	Patient Assessment Methods and Patient Safety	C	2	0	0	2	3
ECZ 420	Professional Management and Leadership	C	2	0	0	2	3
ECZ 422	Gerontology	C	2	0	0	2	3
ECZ 424	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

9. Semester (Fall)

Code	Course Title	C/E	T	P	L	C	ECTS
ECZ501	Graduation Project I	C	1	8	0	6	9
	5th Semester Elective Course	E	14	0	0	12	21
TOTAL							30

9th Semester Elective Course List

Code	Course Title	C/E	T	P	L	C	ECTS
ECZ503	Complementary and Alternative Therapeutics	C	2	0	0	2	3
ECZ505	Drug Literature Evaluation and Scientific Presentation Skills	C	2	0	0	2	3
ECZ507	Pharmacy Applications/Patient Consultant	C	2	0	0	2	3
ECZ509	Clinical Research Methods	C	2	0	0	2	3
ECZ511	Chemical Analysis for Bioavailability and Bioequivalence	C	2	0	0	2	3

ECZ513	Drug Delivery Systems	C	2	0	0	2	3
ECZ515	Drug Design and Discovery	C	2	0	0	2	3
ECZ517	Veterinary Drugs	C	2	0	0	2	3
ECZ519	Computer Aided Drug Design Methods	C	1	2	0	2	3
ECZ521	Agricultural Chemicals	C	2	0	0	2	3
ECZ523	Pharmacoeconomy	C	2	0	0	2	3
ECZ525	Pharmacogenomic	C	2	0	0	2	3
ECZ527	Neutraceuticals and Functional Foods	C	2	0	0	2	3

10. Semester (Spring)

Code	Course Title	C/E	T	P	L	C	ECTS
ECZ502	Graduation Project II	C	1	8	0	6	9
ECZ504	Pharmacy Internship IV	C	0	6	0	6	9
ECZ506	Elective Internship V	E	0	8	0	10	12
TOTAL							30