

1. GRADE

1. Semester - FALL

Code	Course name	O/E	T	P	ECTS
DIL101	Genel İngilizce 1	Z	2	0	2
ATA101	Atatürk İlkeleri ve İnkılap Tarihi 1	Z	2	0	2
PHA101	Mathematics	Z	2	0	2
PHA103	Physics and Biophysics	Z	2	0	2
PHA105	General Chemistry	Z	2	0	3
PHA107	Biology, Molecular Biology and Genetics	Z	2	0	3
PHA117	Scientific Technology Practices	Z	1	1	2
PHA119	History and Deontology of Pharmacy	Z	1	0	2
TRK101	Türk Dili 1	Z	2	0	2
	University Elective (English for Specific Purposes 1)	S			5
	University Elective (English for Academic Purposes 1 or Second Foreign Language)	S			5
Toplam					30

1. GRADE

2. Semester - SPRING

Code	Course name	O/E	T	P	ECTS
DIL102	Genel İngilizce 2	Z	2	0	2
ATA102	Atatürk İlkeleri ve İnkılap Tarihi 2	Z	2	0	2
PHA102	Physiology	Z	2	0	3
PHA207	Public Health and Epidemiology	Z	2	0	3
PHA205	Biostatistics	Z	2	0	3
PHA209	Pharmacy Terminology	Z	1	0	2
PHA112	Anatomy	Z	2	1	3
TRK102	Türk Dili 2	Z	2	0	2
	University Elective (English for Specific Purposes 2)	S			5
	University Elective (English for Academic Purposes 2 or Second Foreign Language)	S			5
Toplam					30

2. GRADE

3. Semester - FALL

Code	Course name	O/E	T	P	ECTS
PHA109	First Aid	Z	1	1	2
PHA201	Organic Chemistry	Z	2	2	5
PHA203	Analytical Chemistry 1	Z	3	3	6
PHA106	Microbiology and Immunology	Z	3	0	3
PHA104	Biochemistry	Z	3	0	3
	Department Elective	S			3
PHA121	Medical Communication Skills	Z	1	1	2
SEG001	İstinyelilik Manifestosu 1	Z	0	1	1
	University Elective (English for Specific Purposes 3 or Second Foreign Language)	S			5
Toplam					30

1	Pharmacy	PHA007	Plant Morphology	SELİN AKTAR KİREMİTÇİ	2	0	3	2. YEAR 1. SEMESTER (3. yy)
2	Pharmacy	PHA003	Health Literacy for Pharmacists	İNCİ KAYIN	2	0	3	2. YEAR 1. SEMESTER (3. yy)

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4. Semester - SPRING

Code	Course name	O/E	T	P	ECTS
PHA202	Pathology	Z	2	0	2
PHA204	Analytical Chemistry 2	Z	2	3	6
PHA206	Clinical Biochemistry	Z	2	2	4
PHA208	Pharmaceutical and Clinical Microbiology	Z	2	2	5
PHA214	Pharmaceutical Botany	Z	2	2	5
PHA114	Histology	Z	2	0	2
PHA516	Occupational Health and Safety	Z	2	0	2
	Department Elective	S			3
SEG002	İstinyelilik Manifestosu 2	Z	0	1	1
Toplam					30

1	Pharmacy	PHA005	Advanced Pharmacy Examples	DOĞAN ÜVEY	2	0	3	2. YEAR 2. SEMESTER (4. yy)
2	Pharmacy	PHA040	Microbiota Probiotics Prebiotics Synbiotics	BETÜL GİRAY	2	0	3	2. YEAR 2. SEMESTER (4. yy)

3. GRADE

5. Semester - FALL

Code	Course name	O/E	T	P	ECTS
PHA381	Internship 1 (Community Pharmacy 1)	Z	0	5	5
PHA301	Pharmaceutical Chemistry 1	Z	3	3	6
PHA303	Pharmacology 1	Z	4	0	4
PHA305	Pharmaceutical Technology 1	Z	3	3	6
PHA309	Pharmacognosy 1	Z	3	3	6
SEG003	İstinyelilik Manifestosu 3	Z	0	1	1
PHA217	Bacics of Scientific Research (BSR)	Z	2	0	2
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3. GRADE

6. Semester - SPRING

Code	Course name	O/E	T	P	ECTS
PHA302	Pharmaceutical Chemistry 2	Z	2	3	5
PHA304	Pharmacology 2	Z	4	0	4
PHA306	Pharmaceutical Technology 2	Z	2	3	5
PHA310	Pharmacognosy 2	Z	2	3	5
PHA312	Basics of Clinical Pharmacy	Z	1	1	2
PHA316	Accessing Scientific Databases	Z	2	0	2
SEG004	İstinyelilik Manifestosu 4	Z	0	1	1
	Department Elective	S			3
	Department Elective	S			3
Toplam					30

1	Pharmacy	PHA006	Aromatherapy	DEMET AKALGAN	2	0	3	3. YEAR 2. SEMESTER (6. yy)
2	Pharmacy	PHA028	Biomarkers in Pharmaceutical Research and Development	MEHMET FERİT İSBİR	2	0	3	3. YEAR 2. SEMESTER (6. yy)

4. GRADE

7. Semester - FALL

Code	Course name	O/E	T	P	ECTS
PHA485	Internship 2 (Hospital and Clinical Pharmacy)	Z	0	5	5
PHA401	Clinical Pharmacy 1	Z	2	2	4
PHA403	Pharmacology 3	Z	4	0	4
PHA415	Pharmaceutical Chemistry 3	Z	3	2	5
PHA417	Pharmaceutical Technology 3	Z	2	0	3
PHA405	General Toxicology	Z	3	0	4
PHA409	Pharmacognosy 3	Z	2	1	3
PHA441	Graduation Project 1	Z	1	0	2
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4. GRADE

8. Semester - SPRING

Code	Course name	O/E	T	P	ECTS
PHA402	Clinical Pharmacy 2	Z	2	2	5
PHA404	Pharmacotherapy	Z	2	0	3
PHA406	Pharmaceutical Toxicology	Z	3	2	5
PHA418	Pharmaceutical Chemistry 4	Z	2	1	3
PHA408	Pharmaceutical Biotechnology	Z	2	0	2
PHA416	Pharmacy Management	Z	2	1	3
	Department Elective	S			3
	Department Elective	S			3
PHA442	Graduation Project 2	Z	2	0	3
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1	Pharmacy	PHA038	Industrial Pharmaceutical Chemistry	MEHMET ERDEM BÜYÜKBİNGÖL	2	1	3	4. YEAR 2. SEMESTER (8. yy)
2	Pharmacy		Pharmaceutical Care	NURDAN DAĞTEKİN	2	0	3	4. YEAR 2. SEMESTER (8. yy)
3	Pharmacy	PHA050	Nanomaterials	AYÇA BAL ÖZTÜRK	2	0	3	4. YEAR 2. SEMESTER (8. yy)

5. GRADE

9. Semester - FALL

Code	Course name	O/E	T	P	ECTS
PHA587	Internship 3 (Elective (C/H/CLN/I))	Z	0	5	5
PHA443	Graduation Project 3	Z	0	2	2
PHA507	Cosmetology	Z	1	1	2
PHA514	Social Responsibility Project	Z	0	1	1
PHA518	Pharmaceutical Technology 4	Z	2	0	3
	University Elective	S			5
	Department Elective	S			3
	Department Elective	S			3
	Department Elective	S			3
	Department Elective	S			3

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1	Pharmacy	PHA019	Artificial Intelligence in Pharmacy	MEHMET ERDEM BÜYÜKBİNGÖL	2	0	3	5. YEAR 1. SEMESTER (9. yy)
2	Pharmacy	PHA016	Advanced Clinical Studies	AYSLIGÜL KENDİRCİ	2	0	3	5. YEAR 1. SEMESTER (9. yy)
3	Pharmacy	PHA032	Recombinant DNA Technologies and Cell Culture Techniques	BETÜL GİRAY	2	1	3	5. YEAR 1. SEMESTER (9. yy)
4	Pharmacy	PHA505	The Pharmacist's Role in Nutrition, Health Protection and Healthy Aging	ABDULLAH OLGUN	2	0	3	5. YEAR 1. SEMESTER (9. yy)
5	Pharmacy	PHA049	Natural Compounds in Cosmetic	DEMET AKALGAN	2	0	3	5. YEAR 1. SEMESTER (9. yy)

5. GRADE

10. Semester - SPRING

Code	Course name	O/E	T	P	ECTS
PHA506	Internship 4 (Elective (C/H/CLN/I))	Z	0	10	10
PHA510	Professional Ethics and Malpractice	Z	1	0	2
PHA592	Graduation Project 4	Z	0	3	4
	University Elective	S			5
	Department Elective	S			3
	Department Elective	S			3
	Department Elective	S			3
Toplam					30

1	Pharmacy	PHA048	Industrial Pharmacy	ABDULLAH LEVENT ALPARSLAN	2	0	3	5. SINIF 2. DÖNEM (10. yy)
2	Pharmacy	PHA029	Licensing and Patent in Pharmaceuticals	SEMRA ŞARDAŞ ABDULLAH LEVENT ALPARSLAN MEHMET FERİT İSBİR	2	0	3	5. SINIF 2. DÖNEM (10. yy)
3	Pharmacy	PHA034	Risk Evaluation in Chemical Compounds	SEMRA ŞARDAŞ	2	0	3	5. SINIF 2. DÖNEM (10. yy)
4	Pharmacy	PHA047	Traditional herbal medicinal products and legal legislation	DEMET AKALGAN SELİN AKTAR KİREMİTÇİ GİZEM GÜLSOY TOPLAN	2	0	3	5. SINIF 2. DÖNEM (10. yy)