



Adiyaman Üniversitesi

FACULTY OF PHARMACY

Pharmacy

Eczacılık Programı

1.Semester Course Plan				
Course Code	Course Name	T+A+L	Compulsory/Elective	ECTS
AlİT 101	HISTORY OF TURKISH REVOLUTION AND PRINCIPLES OF ATATURK I	2+0+0	Compulsory	2
ECZ 101	Introduction to Pharmacy and terminology	2+0+0	Compulsory	2
ECZ 103	Anatomy	2+0+0	Compulsory	3
ECZ 105	Physics	2+0+0	Compulsory	2
ECZ 107	General Chemistry	3+0+0	Compulsory	3
ECZ 109	Mathematics	2+0+0	Compulsory	2
ECZ 111	Medical Biology and Genetics	2+0+0	Compulsory	3
ECZ 113	Biostatistics	2+0+0	Compulsory	3
ECZ 115	Plant Biology	2+0+0	Compulsory	2
ECZ 117	Organic Chemistry I	2+0+0	Compulsory	3
TD 101	TURKISH LANGUAGE I	2+0+0	Compulsory	2
YD 101	FOREIGN LANGUAGE I	2+0+0	Compulsory	3
Total ECTS				30

2.Semester Course Plan				
Course Code	Course Name	T+A+L	Compulsory/Elective	ECTS
AlİT 102	Principles of Atatürk and History of Turkish Revolution II	2+0+0	Compulsory	2
ECZ 102	Analytical Chemistry I	3+0+0	Compulsory	4
ECZ 104	Analytical Chemistry Lab. I	0+3+0	Compulsory	2
ECZ 106	Organic Chemistry II	2+0+0	Compulsory	3
ECZ 108	Pharmaceutical Microbiology and Immunology	4+0+0	Compulsory	5
ECZ 110	Pharmaceutical Microbiology Lab.	0+3+0	Compulsory	2
ECZ 112	Physiology	2+0+0	Compulsory	3
ECZ 114	Medical First Aid	2+0+0	Compulsory	2
ECZ 116	History of Pharmacy and Medical Ethics	2+0+0	Compulsory	2
TD 102	Turkish Language II	2+0+0	Compulsory	2
YD 102	Foreign Language II	2+0+0	Compulsory	3
Total ECTS				30

3.Semester Course Plan				
Course Code	Course Name	T+A+L	Compulsory/Elective	ECTS
ECZ 201	Analytical Chemistry II	3+0+0	Compulsory	4
ECZ 203	Analytical Chemistry Lab. II	0+3+0	Compulsory	2
ECZ 205	Pharmaceutical Botany	2+0+0	Compulsory	4
ECZ 207	Pharmaceutical Botany Lab.	0+3+0	Compulsory	2
ECZ 209	Biochemistry I	2+0+0	Compulsory	4
ECZ 211	Biochemistry Lab.	0+3+0	Compulsory	2
ECZ 213	Public Health	2+0+0	Compulsory	3
ECZ 215	Pathophysiology	2+0+0	Compulsory	3
ECZ 217	Physical Pharmacy	2+0+0	Compulsory	2
SEÇ.1	ELECTIVE COURSE POOL (2 COURSES WILL BE SELECTED)	2+0+0	Elective	16
Total ECTS				42

ECZ 231	Biochemical Calculations	2+0+0	Elective	2
ECZ 233	Antimicrobial Susceptibility Testing	2+0+0	Elective	2
ECZ 235	Cell Biology	2+0+0	Elective	2
ECZ 237	Cancer Biology	2+0+0	Elective	2
ECZ 241	Aromatherapy	2+0+0	Elective	2
ECZ 243	Language mark	2+0+0	Elective	2
ECZ 245	Healthy Nutrition and Anti-aging	2+0+0	Elective	2
ECZ 247	Rational Use of Cosmetics	2+0+0	Elective	2

4.Semester Course Plan				
Course Code	Course Name	T+A+L	Compulsory/Elective	ECTS
ECZ 202	Pharmacology I	3+0+0	Compulsory	3
ECZ 204	Pharmacognosy I	2+0+0	Compulsory	2
ECZ 206	Pharmacognosy Lab. II	0+3+0	Compulsory	2
ECZ 208	Pharmaceutical Chemistry I	3+0+0	Compulsory	3
ECZ 210	Pharmaceutical Chemistry Lab. II	0+3+0	Compulsory	2

ECZ 212	Pharmaceutical Technology I	3+0+0	Compulsory	4
ECZ 214	Pharmaceutical Technology Lab. I	0+3+0	Compulsory	2
ECZ 216	Biochemistry II	2+0+0	Compulsory	3
ST 202	Internship I	0+0+0	Compulsory	7
SEÇ.2	ELECTIVE COURSE POOL (1 COURSE WILL BE SELECTED)	2+0+0	Elective	2

Total ECTS 30

ECZ 238	Alternative Medicine	2+0+0	Elective	2
ECZ 228	ORGANIC CHEMISTRY III	2+0+0	Elective	2
ECZ 230	Biochemistry of Exercise and Obesity	2+0+0	Elective	2
ECZ 236	Plant Biotechnology IN Pharmacy	2+0+0	Elective	2
ECZ 240	Trace Element Analysis	2+0+0	Elective	2

5.Semester Course Plan

Course Code	Course Name	T+A+L	Compulsory/Elective	ECTS
ECZ 301	Pharmacology II	2+0+0	Compulsory	4
ECZ 303	Pharmacognosy II	2+0+0	Compulsory	3
ECZ 305	Pharmacognosy Lab. II	0+3+0	Compulsory	2
ECZ 307	Pharmaceutical Chemistry II	2+0+0	Compulsory	3
ECZ 309	Pharmaceutical Chemistry Lab. II	0+3+0	Compulsory	2
ECZ 311	Pharmaceutical Technology II	3+0+0	Compulsory	4
ECZ 313	Pharmaceutical Technology Lab. II	0+2+0	Compulsory	2
ECZ 315	Clinical Biochemistry	2+0+0	Compulsory	3
ECZ 317	Medical Supplies	2+0+0	Compulsory	3
ECZ 319	Drug Metabolism	2+0+0	Compulsory	2
SEÇ. 3	ELECTIVE COURSE POOL (1 COURSE WILL BE SELECTED)	2+0+0	Elective	6

Total ECTS 34

ECZ 331	FREE RADICALS AND ANTIOXIDANTS	2+0+0	Elective	2
ECZ 335	Instrumental Analysis Techniques	2+0+0	Elective	2
ECZ 337	Poisonous Plants	2+0+0	Elective	2
ECZ 343	THE BASIC CONCEPTS OF LAW	2+0+0	Elective	2

6.Semester Course Plan

Course Code	Course Name	T+A+L	Compulsory/Elective	ECTS
ECZ 302	Pharmacology III	2+0+0	Compulsory	3
ECZ 304	Pharmaceutical Technology III	3+0+0	Compulsory	4
ECZ 306	Pharmaceutical Technology Lab. III	0+2+0	Compulsory	2
ECZ 308	Pharmaceutical Chemistry III	2+0+0	Compulsory	3
ECZ 310	Pharmaceutical Chemistry Lab. III	0+3+0	Compulsory	2
ECZ 312	Pharmacognosy III	2+0+0	Compulsory	3
ECZ 314	Pharmacognosy Lab III	0+3+0	Compulsory	2
ECZ 316	Cosmothology	2+0+0	Compulsory	2
ST 302	Internship II	0+0+0	Compulsory	7
SEÇ.3	ELECTIVE COURSE POOL (1 COURSE WILL BE SELECTED)	2+0+0	Elective	2

Total ECTS 30

ECZ 330	Vitamins and Coenzymes	2+0+0	Elective	2
ECZ 332	Introduction to Heterocyclic Compounds	2+0+0	Elective	2
ECZ 336	Targeted to the New Drug Delivery Systems and Pharmaceuticals	2+0+0	Elective	2
ECZ 338	Ethnobotany	2+0+0	Elective	2

7.Semester Course Plan

Course Code	Course Name	T+A+L	Compulsory/Elective	ECTS
ECZ 401	Pharmaceutical Toxicology I	2+0+0	Compulsory	3
ECZ 403	Pharmaceutical Technology IV	2+0+0	Compulsory	4
ECZ 405	Pharmaceutical Technology Lab. IV	0+2+0	Compulsory	2
ECZ 407	Pharmaceutical Biotechnology	2+0+0	Compulsory	3
ECZ 409	Pharmaceutical Chemistry IV	2+0+0	Compulsory	4
ECZ 411	Pharmaceutical Chemistry Lab. IV	0+3+0	Compulsory	3
ECZ 413	Radiopharmacy	2+0+0	Compulsory	3
ECZ 415	Pharmacology IV	2+0+0	Compulsory	4
SEÇ. 4	ELECTIVE COURSE POOL (2 COURSE WILL BE SELECTED)	2+0+0	Elective	16

Total ECTS 42

ECZ 431	Nutritional Biochemistry	2+0+0	Elective	2
ECZ 433	Cell Culture and Practice Areas	2+0+0	Elective	2
ECZ 435	Current Heterocyclic Compounds	2+0+0	Elective	2
ECZ 437	Mass spectroscopy	2+0+0	Elective	2

ECZ 445	Process Validation in Pharmaceutical Technology	2+0+0	Elective	2
ECZ 447	Phytotherapy	2+0+0	Elective	2
ECZ 449	Organic Reaction Mechanisms	2+0+0	Elective	2
ECZ 451	APPLIED ENTREPRENEURSHIP	2+1+0	Elective	2
ECZ 453	GENERAL ACCOUNTING	1+1+0	Elective	2

8.Semester Course Plan

Course Code	Course Name	T+A+L	Compulsory/Elective	ECTS
ECZ 402	Pharmaceutical Toxicology II	2+0+0	Compulsory	4
ECZ 404	Pharmaceutical Toxicology Lab.	0+3+0	Compulsory	3
ECZ 406	Pharmacotherapy	2+0+0	Compulsory	4
ECZ 408	Clinical Pharmacy I	1+0+0	Compulsory	4
ECZ 410	Clinical Pharmacy Practice I	0+2+0	Compulsory	2
ECZ 412	Biopharmaceutics and Pharmacokinetics	2+0+0	Compulsory	2
ST 402	Internship III	0+0+0	Compulsory	7
SEÇ.4	SELECTIVE COURSE POOL (2 COURSE WILL BE SELECTED)	2+0+0	Elective	8
			Total ECTS	34

ECZ 432	Cosmetic Plants	2+0+0	Elective	2
ECZ 434	Research Methods	2+0+0	Elective	2
ECZ 438	Fundamental Stereochemistry	2+0+0	Elective	2
ECZ 444	Pharmaceutical Nanotechnology	2+0+0	Elective	2
ECZ 446	Introduction to Chromatographic Analysis	2+0+0	Elective	2
ECZ 448	Vaccines and Manufacturing Technologies	2+0+0	Elective	2
ECZ 454	GENETICALLY CHANGED PLANTS AND BIOGRAPHY	2+0+0	Elective	2

9.Semester Course Plan

Course Code	Course Name	T+A+L	Compulsory/Elective	ECTS
ECZ 501	Graduation Project I	3+1+0	Compulsory	15
ECZ 505	Clinical Pharmacy II	2+0+0	Compulsory	2
ECZ 507	Clinical Pharmacy Practice II	0+3+0	Compulsory	2
ST 501	Internship IV	0+16+0	Compulsory	7
SEÇ.5	ELECTIVE COURSE POOL (2 COURSE WILL BE SELECTED)	2+0+0	Elective	24
			Total ECTS	50

ECZ 531	Pharmacy Accounting	2+0+0	Elective	2
ECZ 535	Zoonoses	2+0+0	Elective	2
ECZ 537	Patents and Pharmaceutical Drug Development Process	2+0+0	Elective	2
ECZ 539	Structure Determination and Spectroscopic Methods in Drug	2+0+0	Elective	2
ECZ 549	Rational Drug Using	2+0+0	Elective	2
ECZ 551	PROTEINS PRODUCED BY RECOMBINANT DNA TECHNOLOGY	2+0+0	Elective	2
ECZ 565	Sterilization and Safe Work	2+0+0	Elective	2
ECZ 569	Pharmaceutical Contributions dialysis solutions and parenteral solutions	2+0+0	Elective	2
ECZ 571	Clinical Pharmacokinetics and Biopharmaceutics Calculations	2+0+0	Elective	2
ECZ 577	Environmental Toxicology	2+0+0	Elective	2
ECZ 579	COMPUTERIZED MODELING AND DRUG DESIGN	2+0+0	Elective	2
ECZ 581	Pharmaceutical Analysis and Validation	2+0+0	Elective	2
ECZ 583	Food Toxicology	2+0+0	Elective	2
ECZ 585	Quality Assurance and Regulation	2+0+0	Elective	2
ECZ 587	Drug Substances Research and Development Techniques	2+0+0	Elective	2

10.Semester Course Plan

Course Code	Course Name	T+A+L	Compulsory/Elective	ECTS
ECZ 502	Graduation Project II	3+1+0	Compulsory	15
ECZ 506	Pharmaceutical Legislation	1+0+0	Compulsory	1
ECZ 508	Pharmacy Management	2+0+0	Compulsory	3
ST 502	Internship V	0+16+0	Compulsory	7
SEÇ. 5	ELECTIVE COURSE POOL (2 COURSE WILL BE SELECTED)	2+0+0	Elective	8
			Total ECTS	34

ECZ 530	Pharmacy Management	2+0+0	Elective	2
ECZ 538	Agricultural and Veterinary Drugs	2+0+0	Elective	2
ECZ 540	Pharmacovigilance	2+0+0	Elective	2
ECZ 544	Drug-Drug Interactions	2+0+0	Elective	2
ECZ 548	PLANT BIOTECHNOLOGY AND ACTIVE SUBSTANCES WITH ECONOMIC VALL	2+0+0	Elective	2
ECZ 566	Hospital Infections Epidemiology	2+0+0	Elective	2
ECZ 568	Clinical Toxicology	2+0+0	Elective	2