



YEDİTEPE UNIVERSITY
FACULTY OF PHARMACY
UNDERGRADUATE PHARMACY PROGRAM
BOLOGNA INFORMATION PACK

Yeditepe University

Faculty of Pharmacy – Undergraduate Pharmacy Program Bologna Information Pack (2017)

Description of Program

Yeditepe University Faculty of Pharmacy was founded in 2001 and for the first time in 2002-2003 academic year, it started to educate its students. Our faculty is the first Faculty of Pharmacy to teach English and begin teaching at a Foundation University.

The founder Dean of the faculty is Prof. Dr. R. Ömür Akyüz. Between the years 2003-2012, Prof. Dr. Dilek Demir Erol served as the first pharmacist dean in our faculty. In 2012-2015, this task was carried out by Prof. Dr. Hülya Akgün. As of July 2015, Prof. Dr. Meriç Köksal Akkoç was assigned as deputy to the dean duty.

Our faculty, which gave its first graduates in 2006, passed the 5-year training program as it was in other pharmacy faculties in our country in 2005-2006 academic year.

Our faculty has five years of undergraduate education and the language of instruction is English. In the first year of training, our students take lessons that will facilitate compliance with basic science education, pharmacy terminology and vocational courses whereas in the second, third and fourth years they take the theoretical and practical lessons that are tailored to the needs of contemporary pharmacy. In addition to the compulsory community pharmacy or hospital pharmacy internship for at least three months during the training period, students who can also perform internships in the pharmaceutical industry graduate by taking elective courses and graduation projects suitable for their career goals in the fifth year of education. With internships in Yeditepe University Practical Pharmacy, community pharmacies, hospital pharmacies, pharmaceutical industry, our students are aimed to gain experience in a short period of time in various business fields that their professions allow themselves.

Yeditepe University Faculty of Pharmacy has been evaluated by ECZAK (National Accreditation Board of Pharmacy Education) and ECZAKDER (Association for Evaluation and Accreditation of Pharmacy Education Programs) in 2015 and has been awarded "Full Accreditation" for 6 years and Vakıf Universities has achieved a first in the Faculty of Pharmacy.

Vision of the Faculty: The vision of the Faculty of Pharmacy is to educate primarily preferred and knowledgeable pharmacists (community pharmacists, hospital pharmacists, researchers and academics), to strengthen existing partnerships with the pharmaceutical industry and research and development units and to contribute at the scientific level.

Mission of the Faculty: To educate pharmacists caring for public health, having ethical principles, equipped with theoretical and practical knowledge to practice their profession in the best way in the country and abroad, able to work in all fields of pharmacy (pharmacy, hospital, industry, research and development, analysis) and to contribute to the development of the pharmacy profession and to perform scientific research and projects.

Grade Gained

This department is subject to the first stage degree system of 300 ECTS credits in the field of Pharmacy in higher education. When the program is successfully completed and program qualifications are provided, Bachelor's Degree in Pharmacy is gained.

Registration Admission Requirements

The student who wants to register is obliged to complete the exams determined by OSYM within the academic and legal regulations of the university. A student who is studying in the equivalent program at home or abroad may apply for a transfer. Acceptance of students is examined at the beginning of the semester, taking into consideration the conditions of each student and the degree to which he / she has applied.

Recognition of Prior Learning

The principles stated in the 10th and 11th articles of Yeditepe University Associate Degree and Undergraduate Education-Training Regulations shall apply.

ARTICLE 10 - (1) Provisions of the Regulation on the Principles of Transition between Programs of the Associate and Bachelor's Degree Programs in the Higher Education Institutions published in the Official Newspaper dated 24/4/2010 and numbered 27561 within the university or other universities, shall be applied.

ARTICLE 11 - (1) For vertical transitions, the provisions of the Regulation on Continuing to Undergraduate Studies of Vocational Schools and Open Education Associate Degree Programs published in the Official Newspaper dated 19/2/2002 and numbered 24676 shall apply.

Employment Area of Graduates

They can operate a community pharmacy or work as pharmacists or second pharmacists in pharmacies. They can also work for pharmaceutical companies in various departments such as licensing, patent, medical, pharmacovigilance, clinical research, research and development (R & D), analytical development (An-De), marketing, pharmacoeconomics, production, quality assurance and quality control or in hospital pharmacies. A graduate can take advantage of academic career opportunities by participating in domestic / foreign doctoral programs and start from research assistance at universities. To ensure that our students are guided for their career goals, career weeks and career days are held in our faculty. For this purpose, our course program also includes many guest trainings in the sector.

Examinations, Assessment and Grading

Examinations, evaluation and grading are made in accordance with Article 42 of the Yeditepe University's Associate Degree and Bachelor's Degree Education-Training Regulations and Article 9 of the Senate decision no. 2019-12 dated 5 November 2009.

ARTICLE 42 - (1) A letter grade is given to the students as a success grade from the numerical values of the grades given by the relevant teaching staff for each course they take, taking into account the practice, laboratory and similar studies in the semester, examinations and academic activities.

(2) Success grades and coefficients are shown in the following table:

Success Grade	Coefficient	Score
AA	4.0	90-100
BA	3.5	80-89
BB	3.0	70-79
CB	2.5	60-69
CC	2.0	50-59
FF	Failed (Can not pass the final exam)	49-0
FA	Failed (unable to qualify for the final exam due to unattendance)	

(3) In addition, the following abbreviations are used depending on the situation of the students:

a) I-Incomplete: It is given to students who can not complete the course work due to their valid excuses. These students are required to complete the deficiencies required by the I note by the end of the following semester's add / drop date at the latest. Upon completion of the deficiencies, the student receives the required grade, and if the deficiency is not completed by that date, the student's I grade automatically becomes an FF grade.

b) L-Leave: It is used for students who are allowed according to the provisions of this Regulation.

c) NC-Non-Credit: Used for non-credit courses.

d) ND-Non-Degree: It is used for non-credit courses that are not intended for graduation from Yeditepe University and are not included in the grade average account.

d) P-Pass: It is given to the students who succeeded in the courses that do not effect the grade average.

e) R-Repeat: Indicates that the course is repeated.

f) RR-Repeat Repeat (Repeat Resigned): Repeated courses are given to raise notes.

g) T-Transfer (Transfer): It is transferred from another program, either inside or outside the higher education institution, and is given for the courses approved for adjustment by the relevant management board and participated in the grade average account. Courses transferred from foreign exchange programs are not included in the grade average account.

ğ) W-Withdrawal: Withdrawal of lecture takes place after the date of add / drop within the period determined by the academic advisor and approved by the advisor.

h) X- In Progress for Project and Theses: Given to the students who are continuing their projects, thesis and similar studies.

Graduation Requirements

Students who are studying in this program must have a GPA of at least 2.00 out of 4.00 in order to graduate. The minimum credit to be earned for graduation is 223, minimum ECTS 300. Students are also required to complete compulsory internships in the specified time in specified qualifications.

Access to Further Studies

Candidates who have successfully completed their undergraduate education can study at undergraduate or graduate programs in their own field or in related fields, provided they have a valid grade in the ALES exam and an adequate level of English language knowledge.

Facilities of Faculty

- a. Yeditepe University Practical Pharmacy was founded in 2005 in order to create a starting point and infrastructure for pharmacists who will graduate from the Faculty of Pharmacy to be competent in their way to practice internship. During the summer and fall semesters of 2nd year, students are provided with the practises of prescription reading, magistral preparation, shelf arrangement and development of drug information.
- b. Yeditepe University Faculty of Pharmacy, owns YUFARUM, Pharmacoeconomics and Pharmacoepidemiology Research and Application Center of Yeditepe University. The center conducts research with industry and colleagues on health economics, quality of life, pharmacy management, clinical research, output research.
- c. YIZDA, Yeditepe University Drug Information Center is a consulting unit that works under YUFARUM. It answers scientific questions about drugs.
- d. The Pharmacy Museum is a part of the Faculty of Pharmacy. Part of the History of Pharmacy course is taught here. The objects belonging to an Armenian pharmacist in Safranbolu in 1800 years, passed in time to Pharm. Mehmet Hidayet Derman, and later his daughter Pharm. Hikmet Derman Şeyhoğlu. Pharm. Hikmet Derman Şeyhoğlu donated this museum to our faculty to provide our students professional history and ethical sentiments.
- e. T.C. Yeditepe University, Faculty of Pharmacy, Pharmaceutical, Cosmetic and Medical Device R & D Laboratory (YÜEF-İKTAL), is a research laboratory established by the Rectorate of Yeditepe University in July of 2017.

e.1 Toxicology Research and Application Laboratory (TOKSLAB)

It is positioned to conduct in vitro and in vivo toxicity tests required for pharmaceutical, cosmetic and medical devices during the research and development phase.

e.2 Chemical Analysis Laboratory (KİMLAB)

It is positioned to conduct the chemical analysis needed for research and development for pharmaceutical, cosmetic and medical devices.

f. In our Faculty, there are laboratories to perform educational and research activities.

Laboratories are as following:

Research Laboratories		
Lab. No	Lab. Name	Type
C 660	Pharmacognosy Research Laboratory I	Pharmacognosy Research
C 661	Pharmacognosy Research Laboratory II	Pharmacognosy Research
C 662	Pharmacognosy Research Laboratory III	Kromatografik analiz işlemleri
B 727	Pharmaceutical Chemistry Research Laboratory	Novel drug synthesis, purification and analysis
C 736	Analytical Chemistry Research Laboratory	Education and Research
C 737	Microbiology Laboratory	Research
C 739	Pharmaceutical Toxicology Research Laboratory	Education and Research
C 742	Cell Culture Laboratory	Education and Research
C 743	Multidisciplinar Analysis Laboratory	Education and Research
C 744	IR Laboratory	Education and Research
C 751	Pharmaceutical Technology/Cosmetology Research Laboratory	Education and Research
C 359	Pharmacology Laboratory	Education and Research

Student Laboratories		
C 654	Pharmacognosy/ Pharmaceutical Toxicology Student Laboratory I	Education
C 656	Pharmacognosy/ Pharmaceutical Toxicology Student Laboratory II	Education
B 725	Pharmaceutical / Organic / Analytical Chemistry Student Laboratory I	Education
B 726	Pharmaceutical / Organic / Analytical Chemistry Student Laboratory II	Education
C 740	Pharmaceutical Technology/Cosmetology Student Laboratory I	Education
C 747	Pharmaceutical Technology/Cosmetology Student Laboratory II	Education
C 741	Pharmaceutical Technology Student Laboratory	Education

Teaching & Learning Methods

Narration: The subject discussed by the lecturer giving the lecture is explained on the board or on the slide with the slide. It can be done in the form of a lecture by the teaching staff who teaches the lecture, or it can be done interactively in the form of brainstorming with the lecturer. Unclear topics can be repeated. Topics and contents related to the courses explained are updated and recent developments and new information are added to the course content.

Problem solving: Describing a problem to include the topics described, the way to be followed in problem solving, the determination of the methods to be used and the interpretation of the result. By conducting case studies, it is ensured that necessary and accurate information is used in order to consider the issues thoroughly, to examine them and to reach case resolution.

Homework: In order to better understand the topics covered by lecture, homeworks based on solving individual and team questions, investigating some details within the scope of the topic, or examining similar topics are used for teaching in the classes.

Project work: Projects are mostly based on team work, in which the problem place is identified, data is collected and analyzed. At the same time, the projects are carried out by literature review, learning the latest developments, report preparation or presentation.

Laboratory: This course is designed to perform applications of the subjects in the lessons, to support learning visually and to develop hand skills.

Oral Exam: Rarely used. Make up and clinical practice exams are usually conducted orally at our faculty.

Team work: Projects, assignments and experiments can be done by team / group work. In this way, students can learn from each other and at the same time the ability to work within the team is acquired.

Video / film screenings: To support visual learning, video films related to the subject are shown in lessons or in laboratories.

Internship: Students are able to apply the knowledge they have learned in the faculty in practical field.

Presentation: In some lessons, students can prepare presentations in different topics, transfer one subject to another, and learn to speak in front of the public.

Guest speaker: Speakers from the sector in some courses come to share new developments in the sector and their own experiences with the students.

Views: Through the technical trip visits made during the lessons, it is realized that the subjects / techniques that the students have learned in the lessons are shown in the visited facilities. At the same time, promotions of applications can be made in these places.

ACADEMIC STAFF

2017/2018 Academic Staff	
Dean:	Prof. Dr. Meriç KÖKSAL AKKOÇ
Vice Dean:	Assoc. Prof. Dr. Hande SİPAHİ
Vice Dean:	Assist. Prof. Dr. Enise Ece GÜRDAL HAKGÖR
Name - Surname	Short Academic Biography
Prof. Dr. Meriç KÖKSAL AKKOÇ	(Dean), Ph.D. 2003 Hacettepe Uni., M.S. 2000 Hacettepe Uni., B.S. 1997 Hacettepe Uni.
Prof. Dr. Hülya AKGÜN	Ph.D. 1981 Hacettepe Uni., B.S. 1976 Hacettepe Uni.
Prof. Dr. Ahmet AYDIN	Provost Ph.D. 1997 GATA, M.S. 1992 GATA, B.S. 1987 Ankara Uni.
Prof. Dr. Turgay ÇELİK	Ph.D. 1996 GATA, B.S. 1985 Gülhane Tıp Fakültesi
Prof. Dr. Hasan KIRMIZIBEKMEZ	Ph.D. 2002 Hacettepe Uni., M.S. 1999 Hacettepe Uni., B.S. 1997 Hacettepe Uni.
Prof. Dr. İnci ÖZDEN	Ph.D. 1975 İstanbul Uni., B.S. 1972 Ankara Uni.
Prof. Dr. Erdem YEŞİLADA	Ph.D. 1979 Hacettepe Uni., B.S. 1972 Hacettepe Uni.
Prof. Dr. Mine YARIM YÜKSEL	Ph.D. 2000 Hacettepe Uni., M.S. 1995 Hacettepe Uni., B.S. 1993 Hacettepe Uni.
Assoc. Prof. Dr. Hayati ÇELİK	Ph.D. 2006 Clarkson Univ., B.S. 1998 Marmara Uni.

Part Time Academic Staff	Assoc. Prof. Dr. F. Esra ÖNEN BAYRAM	Ph.D. 2007 UPMC Paris VI., M.S. 2003 UPMC Paris VI., B.S. 2003 ENSIC. Nancy
	Assoc. Prof. Dr. Hande SİPAHİ	(Dekan Yrd.), Ph.D. 2011 Hacettepe Uni., M.S. 2006 Hacettepe Uni., B.S. 2002 Gazi Uni.
	Assist. Prof. Dr. M.Engin CELEP	Ph.D. 2013 Yeditepe Uni., B.S. 2007 Yeditepe Uni.
	Assist. Prof. Dr. Gülengül DUMAN	Ph.D. 1993 Ankara Uni., M.S. 1987 Ankara Üniversitesi, B.S. 1984 Hacettepe Uni.
	Assist. Prof. Dr. E.Ece GÜRDAL HAKGÖR	(Dekan Yrd.), Ph.D. 2012 Yeditepe Uni., B.S. 2007 Yeditepe Uni.
	Assist. Prof. Dr. Etil GÜZELMERİÇ	Ph.D. 2015 Yeditepe Uni., B.S. 2009 Yeditepe Uni.
	Assist. Prof. Dr. Ebru TÜRKÖZ ACAR	Ph.D. 2008 19 Mayıs Uni., M.S. 2003 19 Mayıs Uni., B.S. 1999 19 Mayıs Uni.
	Assist. Prof. Dr. Muhammed HAMİTOĞLU	Ph.D. 2014 Hacettepe Uni., M.S. 2009 Hacettepe Uni., B.S. 2002 Tebriz Uni.
	Assist. Prof. Dr. Muhammed Abdur RAUF	Ph.D. 2007 Hacettepe Uni., M.S. 1996 Dhaka Univ., B.S. 1992 Dhaka Univ.
	Lecturer Ahmad KHALED RADİ	Pharm.D. 2012 Jordan University of Science and Technology
	Prof. Dr. Gülnaz Nural BEKİROĞLU	Ph.D. 1996 İstanbul Uni., M.Sc. 1991 İstanbul Uni., B.Sc. 1987 ODTÜ İstatistik
	Prof. Dr. Jale ÇOBAN	Ph. D. 2008 Yeditepe Uni. Tıp Fak., B.S. 1996 İstanbul Uni. Tıp Fak.
	Prof. Dr. Turgay İŞBİR	Ph.D. 1975 Ankara Uni., B.Sc. 1965 Ankara Uni.
	Prof. Dr. Fikret Vehbi İZZETTİN	Ph.D. 1983 Uni. Of Nebraska Medical Center, M.S. 1976 Bağdat Uni., B.S. 1973 Bağdat Uni.
	Prof. Dr. Serdar ÖZTEZCAN	Ph. D. 1999 İstanbul Uni. Tıp Fak., B.S. 1984 İstanbul Uni. Tıp Fak.
	Prof. Dr. Mesut SANCAR	Ph.D. 2002 Marmara Uni., M.S. 1995 Marmara Uni., B.S. 1992 İstanbul Uni.
	Prof. Dr. Recep Erol SEZER	Ph.D. 1978 Ankara Uni., B.Sc. 1969 İstanbul Uni. Tıp Fak.
	Assoc. Prof. Dr. İbrahim Çağatay ACUNER	Uzm. 1996 Haydarpaşa Numune Eğitim ve Araştırma Has. Mikrobiyoloji, B.Sc. 1986 İstanbul Uni. Tıp Fak.
	Assoc. Prof. Dr. Gülderen DEMİREL	Ph.D. 1992 Marmara Uni., B.Sc. 1984 Ankara Uni. Tıp Fak.
	Assoc. Prof. Dr. Soner DOĞAN	Ph.D. 2004 Minnesota Uni., B.S. 1994 Ankara Uni.
	Assoc. Prof. Dr. Mehtap KAÇAR	Ph.D. 2004 Ankara Uni., B.S. 1991 Fırat Uni. Tıp Fak.
	Assoc. Prof. Dr. İpek KARAASLAN	Ph. D. 2006 İTÜ, M.S. 1999 Liverpool Uni., B.S. 1998 Marmara Uni.
	Assist. Prof. Dr. İskender KARALTI	Ph. D. 2011 Marmara Uni., M.S. 2006 Marmara Uni., B.S. 2002 Dumlupınar Uni.
	Assist. Prof. Dr. Deniz KIRAÇ	Ph.D. 2009 Marmara Uni., M.S. 2004 Marmara Uni., B.S. 2000 Marmara Uni.
	Assist. Prof. Dr. Latif ÖZBAY	Ph.D. 1999 Gazi Uni., B.S. 1992 Hacettepe Uni.
	Assist. Prof. Dr. Nazlı ŞENCAN	Ph.D. 2011 Hacettepe Uni., M.S. 1994 Hacettepe Uni., B.S. 1991 Hacettepe Uni.
	Assist. Prof. Dr. Yasemin UZUNER	Ph.D. 1983 Brighton Uni., B.Sc. 1975 Ankara Uni.
	Lecturer Mustafa ÖZARSLAN	B.S. 1980 Selçuk Uni.

Research Assistants	Lecturer Fahri YAĞLI	(Uygulamalı Üst Eğitim) 1988 GATA Eczacılık Bilimler ABD, B.S. Gazi Uni.
	Dr. Phar. Derya ALGÜL KURÇEREN	Ph.D. 2015 İstanbul Uni., M.S. 2011 Yeditepe Uni., B.S. 2008 Yeditepe Uni.
	Dr. Phar. S. Beril KADIOĞLU	Ph.D. 2017 Marmara Uni., B.S. 2012 Yeditepe Uni.
	Dr. Phar. Samet ÖZDEMİR	Ph.D. 2016 İstanbul Uni., B.S. 2012 Yeditepe Uni.
	Specialist of Chemistry Kerem BURAN	M.S. 2013 Yeditepe Uni., B.S. 2009 ODTÜ
	Specialist of Chemical Enginnering Meltem MACİT	M.S. 2015 Yeditepe Uni., B.S. 2013 Yeditepe Uni.
	Phar. Gülşah Selin AKYÜZ	B.S. 2015 Yeditepe Uni.
	Phar. Dicle DEMİR	B.S. 2014 Yeditepe Uni.
	Phar. Sinem HELVACIOĞLU	B.S. 2015 Yeditepe Uni.
	Phar. Mümin Yiğit İNAN	B.S. 2015 Yeditepe Uni.
	Phar. Feyza KELLEÇİ	B.S. 2012 Yeditepe Uni.
	Phar. Tuğçe ÖZYAZICI	B.S. 2013 Yeditepe Uni.
	Phar. Bengisu TURGUTALP	B.S. 2015 Yeditepe Uni.
	Phar. Kübra YALMAN	B.S. 2015 Yeditepe Uni.

YEDITEPE UNIVERSITY DEPARTMENT OF PHARMACY CURRICULUM

		1 ST SEMESTER						2 ND SEMESTER							
		T	P	L	Y	E			T	P	L	Y	E		
PHAR	101	Introduction to Pharmacy	2	0	0	2	3	PHAR	114	Pharmaceutical Organic Chemistry 1	2	0	0	2	4
PHAR	103	Molecular Biology and Genetics	3	0	0	3	4	PHAR	118	Communication Skills	2	0	0	2	3
PHAR	105	General Chemistry	3	0	0	3	5	PHAR	124	Computer Usage in Pharmacy	1	2	0	2	4
PHAR	121	Physics for Health Sciences	2	0	0	2	3	PHAR	126	Public Health	2	0	0	2	3
HUM	103	Humanities	2	0	0	2	3	PHAR	142	Physiology	3	0	0	3	4
MATH	160	Introductory Calculus	3	0	0	3	5	PHAR	154	Nutrition and Health	2	0	0	2	3
MDP	120	Anatomy	3	0	0	3	4	PHAR	156	Basic First Aid	2	0	0	2	3
XXX		Elective 1	2	0	0	2	3	MDP	102	Biostatistics	2	0	0	2	3
								XXX		Elective 2	2	0	0	2	3
						20	30							19	30
		3 RD SEMESTER						4 TH SEMESTER							
		T	P	L	Y	E			T	P	L	Y	E		
PHAR	213	Pharmaceutical Organic Chemistry 2 + Lab.	4	0	4	6	6	PHAR	212	Pharmaceutical Chemistry 1 + Lab. 1	4	0	4	6	6
PHAR	233	Pathophysiology	2	0	0	2	3	PHAR	232	Pharmacology 1	4	0	0	4	5
PHAR	255	Pharmaceutical Analytical Chemistry 1	2	0	0	2	3	PHAR	234	Medicinal Plants + Lab.	3	0	4	5	6
PHAR	293	Practical Pharmacy Training 1	1	2	0	2	3	PHAR	256	Pharmaceutical Analytical Chemistry 2 + Lab.	3	0	4	5	6
MDP	220	Pharmaceutical Microbiology	3	0	0	3	4	PHAR	294	Practical Pharmacy Training 2	1	2	0	2	2
MDP	221	Biochemistry	3	0	0	3	4	MDP	240	Immunology	2	0	0	2	3
PSY	220	Psychology for Health Sciences	2	0	0	2	3	TKL	202	Turkish Language 2	2	0	0	2	2
TKL	201	Turkish Language 1	2	0	0	2	2								

ELECTIVE COURSES			T	P	L	Y	A
PHAR	551	Resolving Ethical Cases in Health Care	2	0	0	2	3
PHAR	552	Instrumental Analysis	2	0	0	2	3
PHAR	553	Pharmaceutical Analysis and Validation	2	0	0	2	3
PHAR	554	Computer Aided Drug Design	2	0	0	2	3
PHAR	555	Systems in Traditional and Alternative Medicine	2	0	0	2	3
PHAR	556	Pharmaceutics Care and Patient Education	2	0	0	2	3
PHAR	557	Radiopharmaceuticals	2	0	0	2	3
PHAR	558	Social Pharmacanthropology	2	0	0	2	3
PHAR	559	Cosmetics Manufacturing	2	0	0	2	3
PHAR	560	Quality Management Systems in Pharmaceutical Industry	2	0	0	2	3
PHAR	561	Pharmacoeconomics and Drug Policy	2	0	0	2	3
PHAR	562	Drug Information	2	0	0	2	3
PHAR	563	Clinical Trials for Drug Research	2	0	0	2	3
PHAR	564	Pharmacovigilance and Applications	2	0	0	2	3
PHAR	565	Pharmaceutical Calculations	2	0	0	2	3
PHAR	566	Natural Cosmetics and Dermocosmetics	2	0	0	2	3
PHAR	567	Food Toxicology	2	0	0	2	3
PHAR	568	Biostatistics Applications	2	0	0	2	3
PHAR	569	Industrial Manufacturing and Tools	2	0	0	2	3
PHAR	570	Basic Principles Of Community/Hospital Pharmacy Management	2	0	0	2	3
PHAR	571	Neutraceuticals and Food Supplements	2	0	0	2	3
PHAR	572	Industrial Applications in Phytotherapy	2	0	0	2	3
PHAR	573	Clinical Pharmacy Applications in Community Pharmacy	2	0	0	2	3
PHAR	574	Rational Drug Usage	2	0	0	2	3
PHAR	575	Herb-Drug Interactions	2	0	0	2	3
PHAR	577	Modern Drug-Delivery Systems in Hospital/Community Pharmacy	2	0	0	2	3
PHAR	579	Agricultural and Veterinary Drugs	2	0	0	2	3
PHAR	580	Health Economics	2	0	0	2	3
PHAR	581	Life Coaching in Pharmacy	2	0	0	2	3
PHAR	582	Pharmacogenomics	2	0	0	2	3
PHAR	583	Safety Tests of Cosmetic Products and Cosmetic Components	2	0	0	2	3
PHAR	584	Clinical Pharmacy Applications in Community Pharmacy	2	0	0	2	3
PHAR	585	Palliative Pharmaceutical Care	2	0	0	2	3
PHAR	586	Pharmacy Management and Customer Relationship Management	2	0	0	2	3
PHAR	588	Drug Marketing	2	0	0	2	3
PHAR	589	Bioavailability and Bioequivalence Studies	2	0	0	2	3
PHAR	591	Advanced Pharmacotherapy	2	0	0	2	3
PHAR	592	Drug Metabolism	2	0	0	2	3
PHAR	593	Drug-Drug Interactions	2	0	0	2	3
PHAR	594	Medical Devices	2	0	0	2	3
							3
ELECTIVE TRAINING COURSE			T	P	L	Y	A
PHAR	599	Elective Graduation Training	0	0	0	0	3

Faculty of Pharmacy Learning Outcomes

No	Faculty of Pharmacy Learning Outcomes are the follows
1	Acquire skills needed to practice the profession of pharmacy in either a Turkish or an English language setting.
2	Being equipped to access current theoretical and applied knowledge, keeping abreast of new developments, and possessing the critical faculties enabling an accurate and reliable interpretation and assessment of this information.
3	Having the capacity to apply the skills acquired in the field of pharmaceutical science. Possessing the ability to harness his/her acquired knowledge in order to function as a highly accessible health counsellor, providing a ready source of clinically relevant, health-related information to the general public.
4	Keeping abreast of and being equipped to apply the fundamental pharmaceutical and health science principles which guide future developments in modern technology, and being able to share these experiences and skills with colleagues through participation in professional development education seminars.
5	Knowing how to assess risks arising from the use of drugs and other chemicals and those risks potentially encountered during laboratory practice.
6	Acquiring the skills and knowledge needed to interpret findings obtained through quantitative and qualitative measurements, and thus reach valid, scientific conclusions based on this data.
7	Being able to compound pharmaceutical products while being knowledgeable about their clinical application, interactions, side effects and risks and apply in proper manner .
8	Being competent to conduct and manage research and development projects, and share experimental outcomes.
9	Be competent to accurately and intelligibly communicate clinically relevant information to patients concerning prescription items and other pharmaceutical products.
10	Being able to function in a multidisciplinary environment. Possessing the skill to collaborate and establish lines of communication with other professionals, while developing their own professional competency through participation in relevant continuing education activities.
11	Being able to play a role in projects which fulfill the profession's societal responsibilities. Participating in professional activities and undertaking duties in a manner which reflects an awareness of and sensitivity to environmental issues.
12	Being capable of opening a community pharmacy, practicing in a hospital pharmacy setting, and offering service in any field related to drugs, cosmetics, medical and/or

	plant-derived products. Able to play an active role in his/her own personal professional development, as well as that of colleagues and pharmaceutical students.
13	Able to play a role in issues related to public health as a member of the health care team while being cognizant of and able to fulfill legal and professional requirements and maintain ethical standards.
14	Is knowledgeable of and equipped to manage the planning, development, compounding and quality control analysis of naturally occurring and synthetic medicines, while also being aware of the processes related to these products' absorption, distribution, metabolism and excretion from the body.

Relationship Between Program Learning Outcomes and Courses

Relationship Between Program Learning Outcomes and Courses			LO 1	LO 2	LO 3	LO 4	LO 5	LO 6	LO 7	LO 8	LO 9	LO 10	LO 11	LO 12	LO 13	LO 14
PHAR	101	Introduction to Pharmacy	1	2	2		1				1		1		1	
PHAR	103	Molecular Biology and Genetics	3	2	3	2	2	2	1		2	2	2	1		2
PHAR	105	General Chemistry	3	4		4						5				4
PHAR	121	Physics for Health Sciences	2	4	1	3	1	4	1	1	1	1	1	1	1	1
MATH	160	Introductory Calculus	1	1	1	1	1	4	1	2	1	2	1	1	1	1
MDP	120	Anatomy	4	2	2	2	1	1	1	1	3	3	1	2	1	1
PHAR	114	Pharmaceutical Organic Chemistry I	2	2	2	3	3	3	4	1	2	2	3	3	3	5
PHAR	118	Communication Skills	3	3	5	4		1		2	5	5	5	4	2	
PHAR	124	Computer Usage in Pharmacy	2	4	2	4	2	2	2	2	2	2	2	2	2	3
PHAR	142	Physiology	1	1	3	3	1	1	1	1	3	1	1	2	1	2
PHAR	154	Nutrition and Health	4	2	4	2	2	3	1	3	1	2	2			
PHAR	156	Basic First Aid			5	4					2	3			3	
MDP	102	Biostatistics	2	4	3	2	2	5	2	3	1	3	2	1	2	1
PHAR	213	Pharmaceutical Organic Chemistry 2 + Lab.	2	2	2	3	3	3	4	1	2	2	3	3	3	5
PHAR	233	Pathophysiology	2	2	3	3	3	3	4	1	2	2	3	3	3	5
PHAR	255	Pharmaceutical Analytical Chemistry 1	4	4		5		5		4		2				5
PHAR	293	Practical Pharmacy Training 1	3	2	4	4			4		5	2	4	5	4	1
MDP	220	Pharmaceutical Microbiology	1	2	3	3	5	2	4	1	3	2	1	5	5	3
MDP	221	Biochemistry	3													4
PSY	220	Psychology for Health Sciences	4	1	4	4	1	2	1	1	1	5	4	1	3	1
PHAR	212	Pharmaceutical Chemistry 1 + Lab. 1	2	3	3	3	5	4	5	3	2	2	2	3	2	5
PHAR	232	Pharmacology 1	5	4	4	5	3	2	3	4	3	5	4	4	4	4
PHAR	234	Medicinal Plants + Lab	4	5	4	4		5		4	4		5	5		5

PHAR	256	Pharmaceutical Analytical Chemistry 2 + Lab.	4	4	3	5	4	5		4		3			4	
PHAR	294	Practical Pharmacy Training 2	3	2	4	4			4		5	2	4	5	4	1
MDP	240	Immunology	3	3	3	3	4	3	3	3	3					
PHAR	295	Community Pharmacy Training 1	3	2	4	4			4		5	2	4	5	4	1
PHAR	303	Pharmaceutical Technology 1 + Lab. 1	5	5	5	3	4	5	5	3	4	3	3	4	4	5
PHAR	311	Pharmaceutical Chemistry 2 + Lab 2	2	1		2	5	4	4					3		5
PHAR	321	Pharmacognosy 1 + Lab 1	3	2	4	4			4		5	2	4	5	4	1
PHAR	331	Pharmacology 2	5	4	4	5	3	2	3	4	3	5	4	4	4	4
PHAR	308	Pharmaceutical Technology 2 + Lab. 2	5	5	5	3	4	5	5	3	4	3	3	4	4	5
PHAR	312	Pharmaceutical Toxicology + Lab.	5	5	5	5	5	5	5	5	5	5	5	5	5	5
PHAR	316	Pharmacology 3	5	3	3	2	4	5								
PHAR	318	Pharmaceutical Chemistry 3	2	1		2	5		4					3		5
PHAR	322	Pharmacognosy 2 + Lab 2	3	5	5	4	3	4	4	4	3	4	3	4	4	5
PHAR	391	Community Pharmacy Training 2	3	2	4	4			4		5	2	4	5	4	1
PHAR	401	Clinical Pharmacy Application 1		5	5				5	4	5	5		5		
PHAR	403	Clinical Pharmacy/ Pharmaceutical Care 1	5	4	4	4	4	4	5	3	5	5	3	5	4	2
PHAR	413	Clinical Toxicology	5	5	5	4	5	2	5	4	5	5	4	5	5	5
PHAR	415	Pharmacy Management	2	2	4	2				1	2	3	4	2	2	1
PHAR	425	Phytotherapy and Applications	5	5	5	5		5	5	5	5		5	5		5
PHAR	427	Cosmetology + Lab.	4	3	5	3			5	5	5	2		5	4	3
PHAR	431	Clinical Biochemistry			3							3			4	
PHAR	433	Preventive Health			4		3				4				4	
PHAR	402	Clinical Pharmacy Application 2		5	5				5	4	5	5		5		
PHAR	404	Clinical Pharmacy/ Pharmaceutical Care 2	5	4	4	4	4	4	5	3	5	5	3	5	4	2
PHAR	408	Literature Evaluation and Project	3	5		5				5	5					5
PHAR	412	Pharmacokinetics	3	3	1	1	1	1	5	5	1	1	1	1	1	5
PHAR	414	Biopharmaceutics	3	3	4	4	1	3	5	4	4	3	2	4	4	3
PHAR	416	Pharmacotherapy	5	4	4	4	4	4	5	3	5	5	3	5	4	2
PHAR	422	Pharmaceutical Biotechnology		4		5			4	5		5				
PHAR	436	Pharmaceutical History and Deontology		4	4							3	4	3	4	
PHAR	494	Drug Quality Management	3	3	3	3	3			3				5	4	
PHAR	496	Drug Analysis	3	4		4		5		4						4
PHAR	491	Optipnal Training	3	2	4	4			4		5	2	4	5	4	1
PHAR	501	Graduation Project 1	4	4	4	3	3	4		5		2	4			2
PHAR	521	Pharmaceutical Regulations	3	3					2		2	2	5	3	5	5
PHAR	502	Graduation Project 2	4	4	4	3	3	4		5		2	4			2

PHAR	510	Graduation Training	3	2	4	4			4		5	2	4	5	4	1
PHAR	522	Pharmacoeconomy and Pharmacoepidemiology	2	4	4	3	2	4	1	1	1	4	4	1		
PHAR	526	New Drug Delivery Systems	5	3	5	3	1	4	3	4	3	3	2	4	4	5

Polls Applied to Students



T.C. YEDİTEPE ÜNİVERSİTESİ

Eczacılık Fakültesi

Ders Çıktı Değerlendirme Anketi

Please use the following scale to rate how the outcomes are served by this course:

(Note to the instructor: if an outcome is not served by this course, please ask your students to rate it as "NA" before filling out the rest of the evaluation).

NA: Not Applicable (does not serve) 1. Very little 2. Little 3. Moderately 4. Well 5. Very well

Lütfen aşağıdaki puanlama sistemini kullanarak bu dersin çıktılara nasıl hizmet verdiğini değerlendiriniz:

(Öğretimin üyesine not: Öğrencilerinizin anketin geri kalanını değerlendirmeden önce dersinizin hizmet vermediği çıktıları "ID" şeklinde işaretlemelerini sağlayınız).

ID: İlgili değil (hizmet vermiyor) 1. Çok az 2. Az 3. Orta 4. İyi 5. Çok iyi

KOD	NO	SECTION	SEMESTER	YEAR
PHAR1 0	0 0 0	0 0	FALL 0	0 0
MCP 1	1 1 1	1 1	SPRING 1	1 1
PSY 2	2 2 2	2 2		2 2
	3 3 3	3 3		3 3
	4 4 4	4 4		4 4
	5 5 5	5 5		5 5
	6 6 6	6 6		6 6
	7 7 7	7 7		7 7
	8 8 8	8 8		8 8
	9 9 9	9 9		9 9

	NA / ID	VERY POOR	POOR	FAIR	GOOD	VERY GOOD
1 Having the capacity to apply the skills acquired in the field of pharmaceutical science. Possessing the ability to harness his/her acquired knowledge in order to function as a highly accessible health counselor, providing a ready source of clinically relevant, health-related information to the general public. Eczacılık bilimleriyle ilgili öğrendiği bilgileri pratikte uygulayabilir.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
2 Keeping abreast of and being equipped to apply the fundamental pharmaceutical and health science principles which guide future developments in modern technology, and being able to share these experiences and skills with colleagues through participation in professional development education seminars. Eczacılık ve sağlık bilimlerini kapsayan temel konu ve prensipleriyle ilgili güncel teknolojiyi izleyebilir, uygulayabilir proje yapıp yönetir ve meslekler arası iletişim kurabilir ve meslek içi eğitim seminerlerinde yer alabilir.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
3 Knowing how to assess risks arising from the use of drugs (naturally occurring and synthetic medicines) and other chemicals and those risks potentially encountered during laboratory practice. (Doğal ve sentetik ilaç etken maddeleri ve yardımcı maddeleri kullanım ve laboratuvar uygulamasıyla ilgili risk bilincini kazandırır.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Acquiring the skills and knowledge needed to interpret findings obtained through quantiles and qualitative measurements, and thus reach valid, scientific conclusions based on this data. Kalitatif ve kantitatif ölçümleri yaparak elde ettiği bulguları yorumlayabilme ve verilerden geçerli bir bilimsel sonuca ulaşabilme yeteneğini edindirir.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
4 Being able to compound pharmaceutical products while being knowledgeable about their clinical application, interactions, side effects and risks and apply in proper manner. Farmasötik ürünlerin hazırlanması, kullanımını, etkileşimlerini, istenmeyen etkiler ve risklerini bilir ve bu bilgileri gerektiği şekilde öğretir.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
5 Be competent to accurately and intelligibly communicate clinically relevant information to patients concerning prescription items and other pharmaceutical products. Reçete içeriği ve farmasötik ürünlerle ilgili bilginin hastaya/kullanıcıya doğru ve anlaşılır biçimde aktarılması konusunda yetkindir.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
6 Able to play a role in issues related to public health as a member of the health care team while being cognizant of and able to fulfill legal and professional requirements and maintain ethical standards. Toplum sağlığını ilgilendiren konularda sağlık personeli olarak yasal ve mesleki hukuk ve etik kuralları öğretir.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
7 Is knowledgeable of and equipped to manage the planning, development, compounding and quality control analysis of naturally occurring and synthetic medicines, while also being aware of the processes related to these products' absorption, distribution, metabolism and excretion from the body. Doğal veya sentetik kaynaklardan ilaç tasarımı, geliştirilmesi, hazırlanması, analizi ve vücuttaki metabolizmasıyla ilgili süreçleri bilir ve yönetir.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>



YEDİTEPE UNIVERSITY FACULTY OF PHARMACY STUDENT EVALUATION FORM

The purpose of this form is to enable you to evaluate the course, course instructor and student's performance. Feedback from students is very important for improving the level of education in our Faculty. Hence, please answer the questions objectively. Bu formun amacı dersi, veren öğretim üyesini ve öğrencinin performansını değerlendirmenizi sağlamaktır. Fakültemizdeki eğitimin kalitesini arttırmak için öğrencilerden gelen geri dönüşümler çok önemlidir. Bu nedenle, lütfen bütün soruları tarafsızca cevaplayınız.

KOD	NO	SECTION	SEMESTER	YEAR
FNAR 0	0 0 0	0 0	FALL <input type="radio"/>	0 0
MDP 1	1 1 1	1 1	SPRING <input type="radio"/>	1 1
PSY 2	2 2 2	2 2		2 2
	3 3 3	3 3		3 3
	4 4 4	4 4		4 4
	5 5 5	5 5		5 5
	6 6 6	6 6		6 6
	7 7 7	7 7		7 7
	8 8 8	8 8		8 8
	9 9 9	9 9		9 9

A. Rate the course for each of the qualities listed below Dersi aşağıda belirtilen nitelikler çerçevesinde değerlendiriniz.	Excellent	Good	Fair	Poor	Very Poor	
1. Course objectives were clear Dersin amacı açıklandı.	5	4	3	2	1	
2. Course materials (textbooks, handouts, n-materials etc) were satisfactory Ders araçları (kitap, not, elektronik materyaller vb) yeterliydi.	5	4	3	2	1	
3. Course requirements and assignments were effective Ödev ve çalışmalar dersin etkinliğini sağladı.	5	4	3	2	1	
4. The course helped me to learn the subject Ders konu hakkında bilgi edinmemi sağladı.	5	4	3	2	1	
5. The course helped me to develop my ability to work on the profession Ders mesleğimi yapmak için beceri kazanmama yardım etti.	5	4	3	2	1	
6. I am satisfied with the quality of the course Dersin genel niteliğinden memnunum.	5	4	3	2	1	
B. Rate the Instructor of the course for each of the qualities below Dersin Öğretimi Elemanının (ÖE) aşağıda belirtilen nitelikler açısından değerlendiriniz						
7. Evaluation and grading techniques (essays, exams, projects etc.) were fair Ödev, sınav ve projeleri değerlendirmesi adildi.	5	4	3	2	1	
8. The amounts of assigned homework were satisfactory Verilen ödevlerin miktarı yeterliydi.	5	4	3	2	1	
9. Student participation was encouraged Öğrencinin derse katılımı yeterince teşvik ediliyordu.	5	4	3	2	1	
10. Instructors knowledge of English was satisfactory İngilizce bilgisi yeterliydi.	5	4	3	2	1	
11. Instructor preparation for the course was satisfactory ÖE derse yeterince hazırlıydı.	5	4	3	2	1	
12. Instructor followed the syllabus ÖE verdiği ders programını uyguladı.	5	4	3	2	1	
13. Overall quality of the course was satisfactory Genel olarak dersin kalitesi tatmin ediciydi.	5	4	3	2	1	
14. I would take another course from the same instructor Aynı ÖE'dan başka bir ders almak isterim.	5	4	3	2	1	
C. Students Öğrenci						
15. The grade that I expect from the course is Bu dersten beklediğim not	<input type="radio"/> AA	<input type="radio"/> BA/BB	<input type="radio"/> CB	<input type="radio"/> CC	<input type="radio"/> F	
16. My level of English to follow the course was Bu dersi izleyebilmem için dil seviyem	5	4	3	2	1	
17. My attendance to the course was Derse katılımım	<input type="radio"/> 90-100%	<input type="radio"/> 80-89%	<input type="radio"/> 70-79%	<input type="radio"/> 60-69%	<input type="radio"/> 50-59%	<input type="radio"/> 49%
18. The number of hours I spent on the course per week was (including lectures, readings, projects, assignments etc) Bu ders için haftalık ayırdığım toplam süre (dersin kendisi, okumaları, ödevleri vb)	<input type="radio"/> >10hrs	<input type="radio"/> 8-10	<input type="radio"/> 6-7	<input type="radio"/> 4-5	<input type="radio"/> <3hrs	
19. The room (class, amfi etc) was ergonomic and suitable for the course Dersin yapıldığı yer (sınıf, amfi) ergonomik ve derse uygundu.	5	4	3	2	1	