AYDIN ADNAN MENDERES UNIVERSITY
COURSE INFORMATION FORM

Course Title	Pharmacology								
Course Code	İAY108		Couse Level	Short Cycle (Associate's Degree)					
ECTS Credit	2	Workload	50 *(Hours)*	Theory	2	Practice	0	Laboratory	0
Objectives of the Course	Students, cardiovascular system, nervous system and be able to apply the kind of effective drugs to other body systems.								
Course Content	Introduction to Pharmacology; Definition of Drug teach general rules relating to the pharmaceutical forms and applications; Pharmacokinetics: Drug absorption, distribution, metabolism and excretion teach about the mechanism; Pharmacodynamics in drug therapy tissue provides mechanisms through which to teach; Poisoning and create awareness among students about drug side effects, and to reinforce the principles of treatment in emergency practice; The autonomic nervous system and teach medicine in treatment, to promote their immediate symptoms; Effective emergency cardiovascular system, antianginal, antiarrhythmic, to teach medicine as cardiotonic glycosides; Fluid-electrolyte and blood products, to tell emergency requirements; Respiratory system drugs and to teach the principles of oxygen therapy; Allergy, otokoids, anti-inflammatory drugs and give an idea about the treatment of pain medications; Gastrointestinal drugs, emergency medicine practices in place that affect the central nervous system and to explain the importance mAlArIndAki poisoning; Endocrine drugs and diabetic coma in such cases, to explain the importance of emergency care; kematörapötik drugs used to inform students about the injury and wound care.								
Work Placement	N/A								
Planned Learning Activities and Teaching Methods	Explanation (Presentation), Discussion								
Name of Lecturer(s)	Ins. Nimet KILIÇ								

Assessment Methods and Criteria		
Method	Quantity	Percentage (%)
Midterm Examination	1	40
Final Examination	1	70

Recommended or Required Reading	
1	Rasyonel Tedavi Yönünden Tıbbi Farmakoloji, Ed. Oğuz Kayaalp, Pelikan Yayıncılık, Ankara, 2009
2	Farmakoloji, Hemşirelik ön lisans eğitimi, Ed. Melih Erdoğan, Anadolu Üniversitesi Açık Öğretim Fakültesi Yayınları, Eskişehir, 1996.
3	Essentials of ClinicalPharmacology in Nursing, Bradley R Williams, Charold L Baer. Springhousecorporation, Pennsylvania, 1994
4	Mosby'sParamedikTextbook , Ed.Mick J Sanders, ElsevierMosby, 2007

Week	**Weekly Detailed Course Contents**	
1	Theoretical	General pharmacology: Introduction to pharmacology
2	Theoretical	Drugs: Definition, sources and naming of drugs. Drug doses, structure-effect relationship in drugs
3	Theoretical	Pharmacokinetics: ways of using drugs and absorption, distribution of drugs
4	Theoretical	Pharmacokinetics: Changes in the body of drugs, withdrawal of medications, absorption or transmission kinetics
5	Theoretical	Drug effects: Drug effects, dose-intensity and drug interaction, drug interaction
6	Theoretical	Effects of medicines: Factors that alter the effect of medicines, abuse resistance and addiction, unwanted effects of medicines
7	Theoretical	Drug form and preparation techniques: Pharmaceutical processes, measurement and weighing, solid and semi-solid drug forms
8	Intermediate Exam	Midterm
9	Theoretical	Drug formulations and preparation techniques: Liquid drug forms, controlled release dosage forms
10	Theoretical	Central nervous system drugs: Psychotropic drugs; neuroleptic and tranquilizing drugs
11	Theoretical	Central nervous system drugs: narcotic pain relievers and antagonists
12	Theoretical	Central nervous system drugs: Non-narcotic pain relievers
13	Theoretical	Chemotherapeutics: Antibiotics; beta-lactams, aminoglycosides, macrolides, tetracyclines
14	Theoretical	Chemotherapeutics: Antibiotics; phenyenols, lincosamides, polypeptides, quinolones, nitrofurans, imidazoles, rifampicins, sulphonamides

15	Theoretical	Chemotherapeutics: Antibiotics; nitrofurans, imidazoles, rifampicins, sulfonamides

Workload Calculation				
Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	0	2	28
Individual Work	7	0	2	14
Midterm Examination	1	2	2	4
Final Examination	1	2	2	4
			Total Workload (Hours)	50
			[Total Workload (Hours) / 25*] = **ECTS**	2
**25 hour workload is accepted as 1 ECTS*				

Learning Outcomes	
1	Introduction to Pharmacology, the definition of medicines, to teach the general rules relating to pharmaceutical forms and applications
2	Pharmacokinetics: Drug absorption, distribution, metabolism and excretion teach about the mechanisms.
3	Pharmacodynamics in Drug treatment is providing mechanisms through which to teach texture
4	Poisoning and create awareness among students about drug side effects and treatment principles to consolidate emergency practices
5	To teach the autonomic nervous system and drug treatment
6	Emergency cardiovascular effective system, antianginal, antiarrhythmic agents, drugs such as kardiotonikglikozid and teach
7	Liquid-electrolyte and blood products, to tell emergency requirements
8	Respiratory drugs and to teach the principles of oxygen therapy
9	Allergy, otokoids, anti-inflammatory drugs and pain treatment,
10	Gastrointestinal drugs and central location in the immediate application of drugs affecting the central nervous system and to explain the importance poisoning
11	In cases such as endocrine drugs and diabetic coma, the importance of emergency care
12	Kematörapötik medications and wound care

Programme Outcomes *(Dialysis)*	
1	To be able to comprehend the duties and responsiblity of dialysis technicians. To be able to work in a team with members of other health professions.
2	To be able to acquire a general knowledge of human anatomy, physiology and biochemistry
3	To be able to gain knowledge of blood-borne infectious diseases, especially infectious diseases such as hepatitis and universal prevention methods
4	To be able to have knowledge of blood-borne infectious diseases, especially infectious diseases such as hepatitis and universal prevention methods
5	To be able to recognize hemodialysis machine,and have knowledge and skills will be used it during operation of dialysis
6	To be able to have the knowledge of application on peritoneal dialysis and skills be able to train patient on this.
7	To be able to acquire dialysate characteristics, have necessary skills on preparation and application
8	To be able to gain the knowledge and skills on the basic principles of water treatment, application methods, and control of purified water as a level of practitioner
9	To be able to comprehend the principles of patient care, complications during dialysis operation what patients may be encounter and perform necessary knowledge and skills to take necessary measures to protect patient from these complications.
10	To be able to gain knowledge and equipment related to educating on problems that the long-term dialysis patients may have.
11	To be able to understand periodic examinations during the follw up dialysis patients and recognize pathologies in the early period, and have the knowledge and skills to take necessary precautions in time
12	To be able to have the knowledge of the dialysis patients, physiological, social and psychological problems, and perform necessary support skills on these issues for the patient
13	In general to be able to comprehend the knowledge of, drugs, dosage, side effects, and toxic effects, routes of administration of drugs and drug use in patients with chronic renal failure
14	To be able to acquire a high level knowledge of fluid and electrolyte problems with general issues nephrology, acid-base balance disorder, nephrology and urology kidney disease, chronic and acute renal failure.
15	To be able to comprehend the methods of diagnosis and treatment of diseases of the system, and have knowledge of fighting and protecting from especially problems that can be seen in dialysis patients as level of practitioner and getting patient compliance.
16	To be able to have knowledge of statistics and research methods as a level of following the developments, monitoring and interpreting scientific publications.

17	To be able to gain the knowledge of foreign language as a level of communicating and following developments.
18	To be able to be willing to self-improvement as an individual committed to the principles and reforms of Atatürk and keeping on the some of the rules of social life, customs and traditions, depending on the interests of the country on their own interests as a member of society,

Contribution of Learning Outcomes to Programme Outcomes *1:Very Low, 2:Low, 3:Medium, 4:High, 5:Very High*

	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	L11	L12
P3		2	2	2	2	2	2	2	2	2	2	2
P13	5	5	5	5	5	5	5	5	5	5	5	5
P14	3	3	3	3	3	3	3	3	3	3	3	3
P15	3	3	3	3	3	3	3	3	3	3	3	3