



AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Pharmacology							
Course Code		İAY108		Course 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; kemaŧörapötik 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)		Lec. Nimet KILIÇ							

Assessment Methods and Criteria

Method	Quantity	Percentage (%)
Midterm Examination	1	40
Final Examination	1	60

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 Clinical Pharmacology in Nursing, Bradley R Williams, Charold L Baer. Springhousecorporation, Pennsylvania, 1994
4	Mosby's Paramedik Textbook, Ed. Mick J Sanders, Elsevier Mosby, 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	Theoretical	Drug form and preparation techniques: Pharmaceutical processes, measurement and weighing, solid and semi-solid drug forms
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; phenylenols, lincosamides, polypeptides, quinolones, nitrofurans, imidazoles, rifampicins, sulphonamides



15	Theoretical	Chemotherapeutics: Antibiotics; nitrofurans, imidazoles, rifampicins, sulfonamides
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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 (First and Emergency Aid)

1	To be able to be aware of their professional authorities and responsibilities.
2	To be able to use the principles of individual and organizational communication skills.
3	To be able to define the emergency medical services and the pre-hospital emergency medical system devices used in Turkey and the world .
4	To be able to perform physical assessment of the patient and primary and secondary inspection.
5	To be able to apply the methods of handling and transportation of the patient
6	To be able to recognize the rules of the general approach to trauma patients and to be able to be capable of handling and maintenance of trauma equipment.
7	To be able to recognize emergency vehicles' mechanical and technical equipment and to be able to drive emergency vehicles.
8	To be able to identify the principles of pre-hospital emergency care in cases of environmental emergencies.
9	To be able to identify the principles of pre-hospital emergency care in medical emergencies.
10	To be able to analyze the ECG rhythm and apply the principles of pre-hospital emergency care for rhythm Disorders.
11	To be able to recognize and apply the pre-hospital emergency care drugs and fluids.
12	To be able to identify basic life support applications, Advanced Life Support applications and Advanced air way applications.
13	To be able to recognize the principles of pre-hospital emergency during disasters.
14	To be able to protect and maintain the highest level of physical and mental health.
15	To be able to recognize human anatomy and physiology.
16	To be able to develop good communication and human relations skills with colluques and patients.
17	To be able to apply Infection Control Methods and check infectional situations of emergency vehicles and equipment, ensure the conditions of asepsis-antisepsis and pre-hospital emergency care with Infectious Diseases.
18	To have the appropriate knowledge of medical sciences at the level of interest, to use specific medical terms and terminology of field

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
P1	5	5	5	5	5	5	5	5	5	5	5	5
P15	5	5	5	5	5	5	5	5	5	5	5	5

