



AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Basic Pharmacology							
Course Code		AMH109		Couse Level		Short Cycle (Associate's Degree)			
ECTS Credit	3	Workload	76 (<i>Hours</i>)	Theory	2	Practice	0	Laboratory	0
Objectives of the Course		Student will be able to know basic pharmacological terms, ways to apply drug forms and will be able to calculate drug dosage according to age groups.							
Course Content		Introduction to Pharmacology; Description of the drug, general rules on pharmaceutical forms and application areas to teach; Pharmacokinetics: Mechanisms related to drug absorption, distribution, metabolism and excretion to teach; Pharmacodynamics: To teach with which mechanisms the drug provides treatment in tissues; To explain liquid-electrolyte and blood products and their urgent requirements; general anesthetics; disinfectants and antiseptics; drug dose calculation; To inform students about drug dose calculation according to special age groups.							
Work Placement		N/A							
Planned Learning Activities and Teaching Methods				Explanation (Presentation), Case Study, Problem Solving					
Name of Lecturer(s)		Lec. Murat ARI							

Assessment Methods and Criteria

Method	Quantity	Percentage (%)
Midterm Examination	1	40
Final Examination	1	70

Recommended or Required Reading

1	Medical Pharmacology in Terms of Rational Therapy, Ed. Oğuz Kayaalp, Pelikan Publishing, Ankara, Turkey, 2009
2	Mosby's Paramedic 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 nomenclature of drugs. Doses of drugs, structure-effect relationship in drugs
3	Theoretical	Pharmacokinetics: Ways of using drugs and absorption, distribution of drugs
4	Theoretical	Pharmacokinetics: Changes in drugs in the body, excretion of drugs, absorption or transition kinetics
5	Theoretical	Effects of drugs: Effect forms of drugs, dose-density and effect relationship, interaction between drugs
6	Theoretical	Effects of drugs: Factors that change the effects of drugs, drug resistance and dependence, unwanted effects
7	Theoretical	Drug forms and preparation techniques: Pharmaceutical processes, measurement and weighing, solid and semi-solid drug shapes
8	Theoretical	Drug forms and preparation techniques: Liquid drug forms, controlled release dosage forms
9	Theoretical	Midterm
10	Theoretical	Drugs used in liquid electrolyte balance and acid-base balance
11	Theoretical	General anesthetics
12	Theoretical	Antiseptics and disinfectants
13	Theoretical	Drug dose calculation
14	Theoretical	Drug dose calculation
15	Theoretical	Drug dose calculation in infants and children
16	Theoretical	final exam

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Practice	14	0	2	28
Individual Work	14	0	2	28
Midterm Examination	1	5	5	10



Final Examination	1	5	5	10
Total Workload (Hours)				76
[Total Workload (Hours) / 25*] = ECTS				3
*25 hour workload is accepted as 1 ECTS				

Learning Outcomes

1	Introduction to pharmacology, definition of drug, pharmaceutical forms and application areas
2	Pharmacokinetics: To teach the mechanisms of drug absorption, distribution, metabolism and excretion.
3	Pharmacodynamics: To teach the mechanisms by which the drug provides treatment in tissues
4	To teach drug dose calculation
5	To teach dose calculation of drugs used in infants and children

Programme Outcomes (Operating Room Services)

1	DIFFERENCE BETWEEN ANATOMIC STRUCTURES
2	DIFFERENCE BETWEEN HUMAN PHYSIOLOGY
3	FIRST AID AND FIRST HELP IN TIMES OF EMERGENCY
4	USING UNITY IN ORDER TO PROGRESS
5	ESTABLISH COMMUNICATION
6	BEING ETHICAL IN WORK
7	DIFFERENCES BETWEEN SURGERY SICKNESSES ACCORDING TO THE SYSTEM
8	USING UNITY IN ORDER TO PROGRESS
9	DIFFERENCES BETWEEN MEDICAL TERMINOLOGY
10	USING WELL ESTABLISHED QUALITIES
11	UPDATING THE SURGERY UTENSILS AND STAYING SKILLED
12	STERILIZATION OF THE SURGICAL EQUIPMENT AND KEEPING THEM FUNCTIONAL
13	KEEPING ALIVE AND LOOKING AFTER SURGERY UTENSILS
14	WORK ORGANIZATION AND PRODUCTIVE WORK
15	SURGERY ROOM SAFETY AND ESTABLISHING A SAFE STERILIZATION ROOM
16	MICROBIOLOGY ANALYSIS PRACTISE
17	STEPPING STONE FOR STERILIZATION
18	LOOKING AT THE HUMAN BODY'S FUNCTION AND MATERIAL
19	IN A SURGICAL ENVIRONMENT KEEPING TRACK OF PHYSIOLOGY AND EFFECTIVELY USING THE SURGICAL UTENSILS
20	THE IMPORTANCE OF SUFFICIENT AND BALANCED NUTRITION
21	To be able to use modern Turkish language knowledge and language skills.
22	To have knowledge about Atatürk's Principles and Revolution History
23	To communicate at a basic level in a foreign language
24	Knows cancer and its types. Know what needs to be done to prevent cancer.
25	To increase student's awareness of gender equality
26	Knows radiological imaging methods
27	Have information about home accidents
28	To know the classification of medical wastes
29	Knows collection and disposal of medical waste
30	To know family planning methods
31	Know the ethical dilemmas
32	Knows basic concepts about sexuality and sexual health
33	To gain educational and exploratory knowledge about control and protection against infectious diseases
34	To be able to use and maintain the right communication skills with patients and relatives
35	To be able to communicate with colleagues, patient and patient relatives at therapeutic level
36	To evaluate the behavior of patients and their relatives
37	To be able to explain the concepts related to substance abuse
38	To be able to integrate the theoretical foundations and applications of their responsibility for disaster recovery
39	Ability to gain theoretical knowledge about disaster recovery
40	At the end of the course students can establish a connection between health policies and state systems
41	Will be able to analyze the health transformation program.



42	Knows the anesthetic drugs and anesthesia methods applied to the patient.
43	Knows pharmacological agents. know how to apply the drugs according to the indications and contraindications
44	DIFFERENTIAL RADIOLOGICAL ANATOMY
45	Knows the concepts of quality standards, quality, standardization, standards and accreditation in health.
46	To know the rules of ergonomics
47	Explain and use the practices related to improving the quality of life.
48	Increased social sensitivity levels
49	To gain the ability to use personal knowledge, skills and experiences for the benefit of the society as a team
50	Will be able to apply the basic tasks to use the operating system
51	Demonstrate behavior by understanding the information given about health.
52	Express the importance of rational drug use and points to be considered.

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

	L1	L2	L3	L4	L5
P43	5	5	5	4	4

