



AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Basic Skills of Medical Imaging							
Course Code		TGT152		Course Level		Short Cycle (Associate's Degree)			
ECTS Credit	8	Workload	202 (Hours)	Theory	3	Practice	0	Laboratory	1
Objectives of the Course		To gain knowledge and skills about the principles of patient care in terms of health services.							
Course Content		Basic human needs, Patient and employee Safety , And health system evaluation , Signs of life , Physical examination methods , The mechanics of the body , Positions to be applied to the patient , Parenteral , pplications , IV entry of , IV drug applications , Implementation of IV contrast , Emerging complications and interventions in IV drug administration							
Work Placement		N/A							
Planned Learning Activities and Teaching Methods				Explanation (Presentation), Demonstration, Discussion, Case Study, Individual Study					
Name of Lecturer(s)									

Assessment Methods and Criteria

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

Recommended or Required Reading

1	1. Basic nursing concepts, principles, applications
2	Implementation Guide for fundamentals of nursing
3	Fundamentals of nursing basic skills guide

Week	Weekly Detailed Course Contents	
1	Theoretical	Basic human needs
2	Theoretical	Patient and employee Safety- Protection from Infectious Diseases
3	Theoretical	The Concept of Health and Disease
4	Theoretical	Evaluating Life Findings
5	Theoretical	Evaluating Life Findings
6	Theoretical	Correct Use of Body Mechanical Principles
7	Theoretical	Positions to be applied to the patient
8	Theoretical	Physical examination methods
9	Intermediate Exam	Midterm
10	Theoretical	Drug applications
11	Theoretical	Parenteral drug Applications
12	Theoretical	Parenteral drug applications
13	Theoretical	Implementation of IV contrast
14	Theoretical	Complications that may develop in parenteral drug administration
15	Theoretical	Review and year-end evaluation
16	Final Exam	Final

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	4	2	84
Lecture - Practice	14	4	2	84
Midterm Examination	1	15	2	17
Final Examination	1	15	2	17
Total Workload (Hours)				202
[Total Workload (Hours) / 25*] = ECTS				8

*25 hour workload is accepted as 1 ECTS



Learning Outcomes

1	Know the types and methods of physical examination and apply them.
2	Knows the mechanics of the body, the patient will be given to the positions effectively.
3	Knows the methods of drug application IV.
4	Knows the complications of IV applications and takes precautions
5	Ensures and maintains the safety of patients and employees.

Programme Outcomes (*Medical Imaging Techniques*)

1	THE ANATOMICAL STRUCTURE
2	HUMAN PHYSIOLOGY
3	APPLY FIRST AID FOR PATIENTS OR INJURIES
4	MAKING RADIOGRAPHY AND FILM BATHROOM, PRINTING PROCESSES
5	MAKING FLOROSCOPIC IMAGING
6	MAKING THE MAMOGRAPHY TEST
7	DOING ANGIOGRAPHY
8	MAKING MAGNETIC RESONANCE IMAGING (MRI)
9	MAKING COMPUTERIZED TOMOGRAPHY (CT) ANALYSIS
10	DOING THE BONE MINERAL DANCEITOMETER (DEXA)
11	ULTRASONOGRAPHY (USG)
12	GAMA CAMERA IMAGING
13	RADIOTHERAPY SIMULATION AND APPLICATION
14	RADIATION SAFETY AND RADIATION PROTECTION
15	MAKING BUSINESS ORGANIZATION AND PROVIDING PROFESSIONAL DEVELOPMENT
16	KEEPING RADIOLOGICAL ANATOMY
17	KEEPING MEDICAL TERMS
18	To be able to use modern Turkish language knowledge and language skills.
19	To have knowledge about Atatürk's Principles and Revolution History
20	To communicate at a basic level in a foreign language
21	Knows cancer and its types. Know what needs to be done to prevent cancer
22	To increase student's awareness of gender equality
23	To have information about clinical biochemistry
24	Knows the structure of proteins, carbohydrates and fats
25	To know family planning methods
26	To obey occupational ethic principals
27	To know occupational ethics
28	Understand the importance of teamwork
29	The organizational chart of the institution will be able to understand.
30	Will understand the importance of record keeping.
31	To know the ethical dilemmas in health
32	TTTo gain educational and exploratory knowledge about control and protection against infectious diseases
33	To evaluate the general condition of the patient or the injured to take the initiative
34	To know the indications and contraindications of contrast agents
35	To be able to use and maintain the right communication skills with patients and relatives
36	To be able to communicate with colleagues, patient and patient relatives at therapeutic level
37	To evaluate the behavior of patients and their relatives
39	To have general information about health system
40	To learn the rights and obligations of health workers
41	Ability to gain theoretical knowledge about disaster recovery
42	To gain practical knowledge about disaster recovery and to be able to use them in accordance with ethical principles
43	To be able to explain the concepts related to substance abuse
44	Identify the needs of individuals with substance addiction
45	Working organization
46	Prepare promotional material with ready template
47	To be able to prepare personal web site



48	Knows pharmacological agents. know how to apply the drugs according to the indications and contraindications
49	To have knowledge about the effects of radiation on environment and human health.
50	Knows the concepts of quality standards, quality, standardization, standards and accreditation in health.
51	To know the rules of ergonomics
52	To learn the rules of behavior in social and business life
53	Ensuring the development of social sensitivity levels
54	To use their personal knowledge, skills and experiences for the benefit of the society as a team
55	Will be able to apply the basic tasks to use the operating system
56	Demonstrate behavior by understanding the information given about health.
57	Know the learning and teaching methods
58	Will have the ability to prepare educational material and conduct effective training.

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

	L1	L2	L3	L4	L5
P32	5	5	4	4	5
P33	5	5	5	5	5
P34	3	5	5	5	5
P35	5	4	4	4	4
P36	5	5	4	4	4

