



AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Medical Imaging Techniques II Theoretical							
Course Code		TG106		Course Level		Short Cycle (Associate's Degree)			
ECTS Credit	2	Workload	52 (Hours)	Theory	2	Practice	0	Laboratory	0
Objectives of the Course		The aim of this course is to gain knowledge and skills related to Fluoroscopic, Mammographic and Anjiografik imaging techniques to the students in the classrooms and hospital environments.							
Course Content		Fluoroscopic Imaging, Contrast Agents in Fluoroscopic Explorations, Digestive System Fluoroscopic Imaging, Biliary System Fluoroscopic Imaging, Üregenital System Fluoroscopic Imaging, Mammography Devices, Mammographic Examinations, Angiography Devices, Cerebral Anjiography, Coronary Anjiografi, Anjiographic Stent Procedures, Abdominal Anjiographic Procedures, Thoracal Anjiographic Procedures, Upper Extremity Anjiographic Procedures, Other Anjiographic Procedures							
Work Placement		N/A							
Planned Learning Activities and Teaching Methods				Explanation (Presentation), Discussion, Individual Study, Problem Solving					
Name of Lecturer(s)		Assoc. Prof. Tuna ŞAHİN							

Prerequisites & Co-requisites

Co-requisite	TG108
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Assessment Methods and Criteria

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

Recommended or Required Reading

1	Basic Radiology Technique, Nobel & Güneş Book Printing, 1997.
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Week	Weekly Detailed Course Contents	
1	Theoretical	Fluoroscopic Imaging
2	Theoretical	Contrast Agents in Fluoroscopic Examinations
3	Theoretical	Digestive and Biliary System Fluoroscopic Imaging
4	Theoretical	Urogenital System Fluoroscopic Imaging
5	Theoretical	Mammography Devices
6	Theoretical	Mammographic Examinations I
7	Theoretical	Mamografik İncelemeler II
8	Theoretical	Angiography Devices
9	Intermediate Exam	Midterm
10	Theoretical	Angiographic Stent Procedures
11	Theoretical	Abdominal Angiography Procedures
12	Theoretical	Thoracal Angiography Procedures
13	Theoretical	Upper and Lower Extremity Angiography Procedures
14	Theoretical	Other Angiography Procedures
15	Theoretical	Cerebral ve Coronary Angiography

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	0	2	28
Assignment	14	0	1	14
Midterm Examination	1	4	1	5



Final Examination	1	4	1	5
Total Workload (Hours)				52
[Total Workload (Hours) / 25*] = ECTS				2
*25 hour workload is accepted as 1 ECTS				

Learning Outcomes

1	Makes film and printing operations on fluoroscopy, angiography, mammography devices
2	Makes angiographic imaging procedures
3	Obtains images of the Angiography and evaluates the image quality
4	Prepares the angiography devices, contrast agent and the patient for angiographic procedure
5	Obtains the mammographic images and evaluates the image quality
6	Prepares the mammography device and the patient for the mammographic examination
7	Obtains the fluoroscopic image and evaluates the image quality
8	Prepares the fluoroscopy device, contrast agent and the patient for fluoroscopic examination

Programme Outcomes (Medical Imaging Techniques)

1	To be able to get information the working principles of Radiology, Nuclear Medicine and Radiotherapy devices, and distinguish their components, use these devices in accordance with operating instructions.
2	To be able to perform the procedures in accordance with the examination of Radiology and Nuclear Medicine imaging .
3	To be able to apply the radiotherapy treatment, planned by radiation physicist with instruction of radiotherapist.
4	To be able to develop and perform the film printing of the images that obtained by imaging techniques of Radiology, Nuclear Medicine
5	To be able to evaluate the images that obtained by imaging techniques of Radiology, Nuclear Medicine in terms of radiographic quality and takes the necessary measures.
6	To be able to know the medical and radiologic terminology, and pronounce and use them correctly
7	To be able to take the necessary measures in accordance with the rules of Radiation safety and protection from radiation, and apply them.
8	To be able to distinguish the anatomical structures on images, obtained by the conventional and cross-sectional imaging techniques of Radiology, Nuclear medicine.
9	To be able to communicate well with patient, their family and the hospital staff.
10	To be able to move with own professional duties, powers and responsibilities of the consciousness and apply the rules of professional ethics.
11	To be able to adapt to a multi-disciplinary team work.
12	To be able to have a basic knowledge of human physiology.
13	To be able to distinguish anatomical structures.
14	To be able to establish a cause-and-effect relationship between events.
15	To be able to have the ability of analytical thinking and problem solving.
16	To be able to apply the basic principles of first aid.
17	It has basic knowledge about human anatomy
18	Understanding the basic concepts and principles of physics while providing, in the medical field and in particular medical imaging students better understand the issues involving technical vocational courses
19	OHS 'basic concepts; work accidents, occupational diseases, occupational physicians, occupational safety specialist, İSGB, OSGB, hazard classes, risk assessment, OHS employee representatives is
20	Have basic knowledge about basic medical practices and makes applications

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
P1	5	5	5	5	5	5	5	5
P2	5	5	5	5	5	5	5	5
P3	5	5	5	5	5	5	5	5
P4	5	5	5	5	5	5	5	5
P5	5	5	5	5	5	5	5	5
P6	5	5	5	5	5	5	5	5
P7	5	5	5	5	5	5	5	5
P8	5	5	5	5	5	5	5	5
P20	5	5	5	5	5	5	5	5

