AYDIN ADNAN MENDERES UNIVERSITY
COURSE INFORMATION FORM

Course Title	Medical Imaging Techniques II Application								
Course Code	TG108		Couse Level		Short Cycle (Associate's Degree)				
ECTS Credit	9	Workload	227 *(Hours)*	Theory	0	Practice	8	Laboratory	0
Objectives of the Course	The aim of this course is; to provide the students with knowledge and skills related to Fluoroscopic, Mammographic and Angiographic imaging techniques in classroom and hospital settings.								
Course Content	Coronary Angiography, Angiography in Stend Applications, Angiography in Abdominal Applications, Angiography in Thoracic Applications, Topography, Fluoroscopic Imaging, Contrast Materials in Fluoroscopic Examinations, Digestive System Fluoroscopic Imaging, Braille System Fluoroscopic Imaging, Uregenital System Fluoroscopic Imaging Mammography Instruments, Mammographic Analyzes, Angiography Instruments, Cerebral Angiography Angiography, Other Angiography Applications in Limb Practices								
Work Placement	N/A								
Planned Learning Activities and Teaching Methods	Explanation (Presentation), Experiment, Demonstration, Case Study, Problem Solving								
Name of Lecturer(s)									

Assessment Methods and Criteria		
Method	Quantity	Percentage (%)
Practice Examination	1	100

Recommended or Required Reading	
1	Basic Radiology Technique, Nobel & Güneş Book Printing, 1997.

Week	Weekly Detailed Course Contents	
1	Practice	Fluoroscopic Imaging applications
2	Practice	Contrast Material in Fluoroscopic Examinations applications
3	Practice	Fluoroscopic Imaging of Gastrointestinal System and Billiard System applications
4	Practice	Uregenital System Fluoroscopic Imaging applications
5	Practice	Mammography Devices applications
6	Practice	Mammographic Investigations I applications
7	Practice	Mammographic Examinations II applications
8	Practice	Angiography Devices applications
9	Practice	Serebral ve Koroner Anjiografi uygulamaları
10	Practice	Angiography in Stend Applications
11	Practice	Angiography in Abdominal Practice applications
12	Practice	Toraks Uygulamalarında Anjiografi uygulamaları
13	Practice	Angiography in Upper and Lower Limb Practices applications
14	Practice	Other Angiography Applications
15	Practice	Practice Exam

Workload Calculation				
Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Practice	14	0	8	112
Seminar	11	8	2	110
Practice Examination	1	1	4	5
			Total Workload (Hours)	227
			[Total Workload (Hours) / 25*] = **ECTS**	9
**25 hour workload is accepted as 1 ECTS*				

Learning Outcomes	
1	Fluoroscopy, Angiography, Mammography makes film bath printing processes

2	Make angiographic images
3	Obtain angiogram images and evaluate image quality.
4	Prepare angiography device, contrast material and patient for angiographic examination
5	Obtain mammograms and evaluate image quality
6	Prepare the mammography device and patient for mammographic examination
7	Obtains image from fluoroscopy and evaluates image quality
8	Prepare the fluoroscopy device, contrast material, and 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 tıo 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
P10	5	5	5	5	5	5	5	5
P11	5	5	5	5	5	5	5	5
P14	5	5	5	5	5	5	5	5