



AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Methods Professional Practice Theoretical							
Course Code		TG202		Couse Level		Short Cycle (Associate's Degree)			
ECTS Credit	2	Workload	52 (<i>Hours</i>)	Theory	2	Practice	0	Laboratory	0
Objectives of the Course		The aim of this course is to acquire knowledge and skills about production in classroom and hospital conditions.							
Course Content		Magnetic Resonance Imaging Preparation, Cranial MR Imaging, Neck MR Imaging, Thorax MR Imaging, Upper Abdominal MR Imaging, Lower Abdomen MR Imaging, Vertebra MR Imaging, Upper Extremity MR Imaging, CT Imaging Methods							
Work Placement		N/A							
Planned Learning Activities and Teaching Methods				Explanation (Presentation), Discussion					
Name of Lecturer(s)		Assoc. Prof. Mustafa GÖK							

Prerequisites & Co-requisites

Co-requisite	TG206
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Assessment Methods and Criteria

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

Recommended or Required Reading

1	Physics of Radiological Imaging, Nobel Medical Bookstores,
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Week	Weekly Detailed Course Contents	
1	Theoretical	DEXA Device
2	Theoretical	DEXA Device
3	Theoretical	DEXA Scanning Methods
4	Theoretical	Ultrasound Device
5	Theoretical	Ultrasound Device
6	Theoretical	Neck And Superficial Tissue Ultrasound Imaging
7	Theoretical	Abdominal Ultrasound Imaging
8	Intermediate Exam	Midterm Exam
9	Theoretical	Thoracal Ultrasound Imaging
10	Theoretical	Thoracal Ultrasound Imaging
11	Theoretical	Pelvic ultrasonography
12	Theoretical	Gynecological Ultrasound Imaging
13	Theoretical	Endoscopic Ultrasound Imaging
14	Theoretical	Interventional Ultrasound Imaging
15	Theoretical	Interventional Ultrasound Imaging

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	0	2	28
Individual Work	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	Make Preparations for DEXA Imaging
2	Make DEXA Imaging
3	Make Preparations for Ultrasound Imaging
4	Make Neck and Superficial US Imaging
5	Make Abdominal US Imaging
6	Make Thoracal US Imaging
7	Make Pelvis US Imaging
8	Make specific applications for obtaining US image

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

