

MEDICAL IMAGING II

1	Course Title:	MEDICAL IMAGING II
2	Course Code:	TGTZ108
3	Type of Course:	Compulsory
4	Level of Course:	Short Cycle
5	Year of Study:	1
6	Semester:	2
7	ECTS Credits Allocated:	8.00
8	Theoretical (hour/week):	4.00
9	Practice (hour/week):	4.00
10	Laboratory (hour/week):	0
11	Prerequisites:	None
12	Language:	Turkish
13	Mode of Delivery:	Face to face
14	Course Coordinator:	Doç. Dr. SEFA IŞIKLAR
15	Course Lecturers:	Öğr. Gör. Sefa IŞIKLAR Öğr. Gör. İmren DEMİR Doç. Dr. Ömer Fatih NAS
16	Contact information of the Course Coordinator:	e-posta: sefaisiklar@uludag.edu.tr tlf: 02242940658 Uludağ Üniversitesi, Sağlık Hizmetleri Meslek Yüksekokulu, Bursa. e-mail: sefaisiklar@uludag.edu.tr Phone number: 0224-2940658 Uludag University Vocational School of Health Services / Bursa.
17	Website:	
18	Objective of the Course:	The aim of this course is to teach the information and skills of fluoroscopic and angiography imagining techniques in the classroom and hospital environments.
19	Contribution of the Course to Professional Development:	With the Medical Imaging II course, adaptation to the physical knowledge of the Fluoroscopy and Angiography device and to the radiological anatomy in the images obtained by these devices is provided to understand whether the images are suitable for diagnostic evaluation and the difference of the pathological structure from the normal anatomy.
20	Learning Outcomes:	
	1	Make preparations for fluoroscopic examination
	2	Prepare contrast matters in fluoroscopy
	3	Make digestive system imagining
	4	Make biliary system imagining
	5	Make urogenital system imagining
	6	Fluoroscopic imagining of locomotor and respiratory systems
	7	Make preparation to get angio images
	8	Get angiography
	9	Other applications

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21	Course Content:		
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Week	Theoretical	Practice	
1	Fluoroscopic apparatus	Introduction of fluoroscopic apparatus	
2	Angiography apparatus	Introduction of angiography apparatus	
3	Fluoroscopic imaging Contrast matters in fluoroscopic imaging	Observation and applications of the preparation processes to get fluoroscopic images	
4	Fluoroscopic imaging Contrast matters in fluoroscopic imaging	Observation and applications of the preparation processes to get fluoroscopic images	
5	Fluoroscopic imaging Contrast matters in fluoroscopic imaging	Observation and applications of the preparation processes to get fluoroscopic images	
6	Fluoroscopic imaging Contrast matters in fluoroscopic imaging	Observation and applications of the preparation processes to get fluoroscopic images	
7	Fluoroscopic imaging Contrast matters in fluoroscopic imaging	Observation and applications of the preparation processes to get fluoroscopic images	
8	Fluoroscopic imaging of the gastrointestinal system	Observation and applications of fluoroscopic imaging of the gastrointestinal system	
9	Observation and applications of fluoroscopic imaging of the gastrointestinal system	Observation and applications of fluoroscopic imaging of the gastrointestinal system	
10	Fluoroscopic imaging of the genitourinary system	Observation and applications of fluoroscopic imaging of the genitourinary system	
11	Observation and applications of fluoroscopic imaging of the genitourinary system	Observation and applications of fluoroscopic imaging of the genitourinary system	
12	Fluoroscopic imaging of locomotor and respiratory systems	Observation and applications of fluoroscopic imaging of locomotor and respiratory systems	
13	Angiography Applications I	Observation and applications of Angiography Applications	
14	Angiography Applications II	Observation and applications of Angiography Applications	
22	Textbooks, References and/or Other Materials:	Main resource: --- Aiding resources: - Basic Radiology Technique, Prof. Dr. Tamer KAYA - Introduction to radiology, Prof. Dr. Ercan TUNCEL - Course notes of medical imaging 2 Prof. Dr. Gürsel SAVCI, Assoc. Dr. Cüneyt ERDOĞAN Academician Sefa IŞIKLAR	
23	Assesment		
TERM LEARNING ACTIVITIES		NUMBER	WEIGHT
Midterm Exam		1	25.00
Quiz		1	15.00
Home work-project		0	0.00
Final Exam		1	60.00
Total		3	100.00

Contribution of Term (Year) Learning Activities to Success Grade	40.00
Contribution of Final Exam to Success Grade	60.00
Total	100.00
Measurement and Evaluation Techniques Used in the Course	Evaluations are made by evaluating their answers to the verbal-written-visual questions asked by the students during the semester; At the end of the semester, traditional (test or written exams) and alternative assessment and evaluation (visual exams) methods will be used.

24 ECTS / WORK LOAD TABLE

Activites	Number	Duration (hour)	Total Work Load (hour)
Theoretical	14	4.00	56.00
Practicals/Labs	14	4.00	56.00
Self study and preperation	14	6.00	84.00
Homeworks	0	0.00	0.00
Projects	0	0.00	0.00
Field Studies	0	0.00	0.00
Midterm exams	1	20.00	20.00
Others	0	0.00	0.00
Final Exams	1	24.00	24.00
Total Work Load			260.00
Total work load/ 30 hr			8.00
ECTS Credit of the Course			8.00

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CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS

	PQ1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	PQ9	PQ10	PQ11	PQ12	PQ13	PQ14	PQ15	PQ16
ÖK1	5	1	5	2	3	3	1	5	1	1	4	1	0	0	0	0
ÖK2	5	1	5	2	3	3	1	1	1	1	1	1	0	0	0	0
ÖK3	5	1	5	2	3	3	1	5	5	1	2	1	0	0	0	0
ÖK4	5	1	5	2	3	3	1	5	5	1	2	1	0	0	0	0
ÖK5	5	1	5	2	3	3	1	5	5	1	2	1	0	0	0	0
ÖK6	5	1	5	2	3	3	1	5	5	1	2	1	0	0	0	0
ÖK7	5	1	5	2	3	3	1	5	5	1	2	1	0	0	0	0
ÖK8	5	1	5	2	3	3	1	5	5	1	2	1	0	0	0	0
ÖK9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

LO: Learning Objectives PQ: Program Qualifications

Contribution Level:	1 very low	2 low	3 Medium	4 High	5 Very High
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