

ADVANCED IMAGING TECHNIQUES

1	Course Title:	ADVANCED IMAGING TECHNIQUES	
2	Course Code:	TGTS204	
3	Type of Course:	Optional	
4	Level of Course:	Short Cycle	
5	Year of Study:	2	
6	Semester:	4	
7	ECTS Credits Allocated:	3.00	
8	Theoretical (hour/week):	2.00	
9	Practice (hour/week):	0.00	
10	Laboratory (hour/week):	0	
11	Prerequisites:		
12	Language:	Turkish	
13	Mode of Delivery:	Face to face	
14	Course Coordinator:	Öğr. Gör. SEFA IŞIKLAR	
15	Course Lecturers:	Öğr.Gör. Sefa IŞIKLAR	
16	Contact information of the Course Coordinator:	e-posta:sefaisiklar@uludag.edu.tr tlf: 02242940658 Uludağ Üniversitesi, Sağlık Hizmetleri Meslek Yüksekokulu, Bursa.	
17	Website:		
18	Objective of the Course:	The aim of this course is to teach the information and skills of advanced imaging techniques of Conventional and Digital X-ray, Computed Tomography and Magnetic Resonance.	
19	Contribution of the Course to Professional Development:		
20	Learning Outcomes:		
		1	Make the necessary preparations for advanced medical imaging.
		2	Get advanced medical images except routine medical imaging methods in conventional and digital X-ray.
		3	Get advanced medical images except routine CT imaging
		4	Get advanced medical images except routine MR imaging
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21	Course Content:		
		Course Content:	
Week	Theoretical	Practice	
1	Make the necessary preparations for advanced medical imaging.		
2	Advanced medical imaging of upper extremity X-ray (Part I)		
3	Advanced medical imaging of upper extremity X-ray (Part II)		

4	Advanced medical imaging of lower extremity X-ray (Part I)	
5	Advanced medical imaging of lower extremity X-ray (Part II)	
6	Advanced CT imaging of cranial and neck	
7	Advanced CT imaging of cardiac and abdomen	
8	Advanced MR imaging of cranial	
9	Advanced MR imaging of cranial	
10	Advanced MR imaging of neck and cardiac	
11	Advanced MR imaging of abdomen	
12	Advanced MR imaging of pelvic	
13	Advanced MR imaging of upper extremity	
14	Advanced MR imaging of lower extremity	
22	Textbooks, References and/or Other Materials:	Main resource: --- Aiding resources: - Course notes of advanced medical imaging - Academician Sefa Işıklar - Prof. Dr. Bahattin Hakyemez
23	Assesment	
TERM LEARNING ACTIVITIES		NUMBER
		WEIGHT
Midterm Exam	1	40.00
Quiz	0	0.00
Home work-project	0	0.00
Final Exam	1	60.00
Total	2	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		
24	ECTS / WORK LOAD TABLE	

Activites	Number	Duration (hour)	Total Work Load (hour)
Theoretical	14	2.00	28.00
Practicals/Labs	0	0.00	0.00
Self study and preperation	14	2.00	28.00
Homeworks	0	0.00	0.00
Projects	0	0.00	0.00
Field Studies	0	0.00	0.00
Midterm exams	1	15.00	15.00
Others	0	0.00	0.00
Final Exams	1	20.00	20.00
Total Work Load			91.00
Total work load/ 30 hr			3.03
ECTS Credit of the Course			3.00

25	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	3	5	3	3	1	0	5	4	1	3	2	0	0	0	0
ÖK2	5	3	5	3	3	1	0	5	4	1	3	2	0	0	0	0
ÖK3	5	3	5	3	3	1	0	5	4	1	3	2	0	0	0	0
ÖK4	5	3	5	3	3	1	0	5	4	1	3	2	0	0	0	0
LO: Learning Objectives PQ: Program Qualifications																
Contribution Level:	1 very low		2 low			3 Medium			4 High			5 Very High				