TOROS ÜNİVERSİTESİ

Vocatıonal School
Medıcal Imagıng Techniques

Course Information

MEDICAL IMAGING III					
Code	**Semester**	**Theoretical**	**Practice**	**National Credit**	**ECTS Credit**
		Hour / Week			
TGT237	Fall	2	0	2	2

Prerequisites and co-requisites	
Language of instruction	Turkish
Type	Required
Level of Course	Associate
Lecturer	Lec. Dr. Murat ÜREDİ
Mode of Delivery	Face to Face
Suggested Subject	
Professional practise (internship)	None
Objectives of the Course	The purpose of this course the student classrooms and in the hospital magnetic resonance and computed tomography imaging to gain the knowledge and skills.
Contents of the Course	Magnetic resonance apparatus, magnetic resonance imaging, computed tomography equipment, advanced computed tomography methods.

Learning Outcomes of Course

#	Learning Outcomes
1	Making Preparations for Magnetic Resonance Imaging
2	Cranial MR Acquiring Images, MR Acquiring Images Neck, Thorax MR Acquiring Images
3	Upper Abdomen MR Acquiring Images, Lower Abdomen Mar Acquiring Images
4	Vertebral MRI Images to Obtain
5	Upper Extremity MRI images to Obtain, Lower Extremity MR Images to Obtain
6	MR Angio Acquiring Images, Advanced MRI techniques

Course Syllabus

#	Subjects	Teaching Methods and Technics
1	In magnetic resonance device I	Verbal Lecture
2	In magnetic resonance device I	Verbal Lecture
3	In magnetic resonance device I, in magnetic resonance device II	Verbal Lecture
4	A magnetic resonance imaging, neck magnetic resonance imaging	Verbal Lecture
5	Neck magnetic resonance imaging, thoracic magnetic resonance imaging, upper abdomen, magnetic resonance imaging	Verbal Lecture
6	Upper abdomen, magnetic resonance imaging, lower abdomen, magnetic resonance imaging, vertebral magnetic resonance imaging	Verbal Lecture
7	Vertebral magnetic resonance imaging, upper extremity magnetic resonance imaging, lower extremity magnetic resonance imaging	Verbal Lecture
8	Mid-term exam	Multiple choice exam

9	Lower extremity magnetic resonance imaging, MR angio imaging, advanced magnetic resonance imaging	Verbal Lecture
10	Advanced magnetic resonance imaging, computed tomography device	Verbal Lecture
11	Computed tomography device	Verbal Lecture
12	Computed tomography device, head and neck CT imaging	Verbal Lecture
13	Vertebral CT imaging, thorax and abdomen CT scan	Verbal Lecture
14	Extremity CT imaging, advanced computerized tomography methods	Verbal Lecture
15	Advanced computerized tomography methods	Verbal Lecture
16	Final Exam	Multiple choice exam

Course Syllabus

#	Material / Resources	Information About Resources	Reference / Recommended Resources

Method of Assessment

#	Weight	Work Type	Work Title
1	40%	Mid-Term Exam	Mid-Term Exam
2	60%	Final Exam	Final Exam

Relationship between Learning Outcomes of Course and Program Outcomes

#	Learning Outcomes	Program Outcomes	Method of Assessment
1	Making Preparations for Magnetic Resonance Imaging	4,6	1,2
2	Cranial MR Acquiring Images, MR Acquiring Images Neck, Thorax MR Acquiring Images	4	1,2
3	Upper Abdomen MR Acquiring Images, Lower Abdomen Mar Acquiring Images	6	1,2
4	Vertebral MRI Images to Obtain	5	1,2
5	Upper Extremity MRI images to Obtain, Lower Extremity MR Images to Obtain	4,6	1,2
6	MR Angio Acquiring Images, Advanced MRI techniques	4	1,2

PS. The numbers, which are shown in the column Method of Assessment, presents the methods shown in the previous table, titled as Method of Assessment.

Work Load Details

#	Type of Work	Quantity	Time (Hour)	Work Load
1	Course Duration	14	2	28
2	Course Duration Except Class (Preliminary Study, Enhancement)	14	2	28
3	Presentation and Seminar Preparation	0	0	0
4	Web Research, Library and Archival Work	0	0	0
5	Document/Information Listing	0	0	0
6	Workshop	0	0	0
7	Preparation for Midterm Exam	0	0	0
8	Midterm Exam	1	1	1
9	Quiz	0	0	0
10	Homework	0	0	0
11	Midterm Project	0	0	0
12	Midterm Exercise	0	0	0
13	Final Project	0	0	0
14	Final Exercise	0	0	0

15	Preparation for Final Exam	1	2	2
16	Final Exam	1	1	1
				60