RADIOLOGY

Course Name	**Code**	**Term**	**Theory (hours/week)**	**Application (hours/week)**	**Laboratory (hours/week)**		**ECTS**
Radiology	**FTR 331**	**3.year/ 1.term Fall**	**2**	**-**	**-**		**2**
Prequisites							
Course language	Turkish						
Course type	Elective						
Learning and teaching strategies	Theory						
Instructor (s)							
Course objective(Aim of course)	The aim of the course is to teach the students basic concepts in radiology, radiography, computed tomography, magnetic resonance imaging, extremities, spine, and thorax radiology.						
Learning outcomes	1. Defines basic concepts in radiology. 2. Learns basic evaluation in extremity, spine, thorax and respiratory radiology 3. Learns basic soft tissue imaging methods.						
References							

Course outline weekly:

Weeks	Topics
1. Week	Physics for radiology
2. Week	Radiological anatomy: extremities, pelvis
3. Week	Radiological anatomy: spine, thorax
4. Week	Radiological pathology: fractures, subluxation, dislocation, neoplasm, atrophy, sclerosis, infection, implants, peripheral nerve lesions
5. Week	Radiology in thorax pathologies and related special conditions
6. Week	Regional pathologies and evaluation: cervical and lumbar spine
7. Week	Regional pathologies and evaluation: pelvis and hip
8. Week	MİdTerm Exam
9. Week	Regional pathologies and evaluation: knee, ankle, foot
10. Week	Regional pathologies and evaluation: shoulder, elbow, wrist, hand
11. Week	Different tissue pathologies: bone
12. Week	Different tissue pathologies: cartilage
13. Week	Different tissue pathologies: nerve, muscle, tendon, ligament
14. Week	MİdTerm Exam
15. Week	FINAL EXAM

ECTS (Student Work Load Table)

Activities	Number	Duration	Total Work Load
Course Duration (X14)	14	2	28
Laboratory			
Practice			
Field Study			
Study Time Of Outside Of Class (Pre-Study, Practice, Etc.)	14	0.5	7
Presentations (Video shoot/Poster preparation/Oral presentation, Etc.)			
Seminars			
Project			
Case study			
Role playing, Dramatization			
Writing articles, Critique			
Time To Prepare For Midterm Exam	1	7	7
Final Exam Preparation Time	1	8	8
Total Work Load (hour) / 25(s)	50 / 25		
ECTS	2		

Evaluation System

Mid-Term Studies	**Number**	**Contribution**
Midterm exams	1	%100
Quiz		
Laboratory		
Practice		
Field Study		
Course Internship (If There Is)		
Homework’s		
Presentation and Seminar		
Project		
Other evaluation methods		
Total Time To Activities For Midterm		100
Final works		
Final	1	%100
Homework		
Practice		
Laboratory		
Total Time To Activities For Midterm		100
Contribution Of Midterm Studies On Grades		%50
Contribution Of Final Exam On Grades		%50
Total		100

The relationship between learning outcomes and the program qualifications of the courses

Program Qualifications	**Learning outcomes**		
	L.O.1	**L.O. 2**	**L.O.3**
1. Sufficient background in basic- clinical medical sciences and physical therapy and rehabilitation discipline; ability to use theoretical and practical skills and knowledge in these fields with analytical thinking	5	5	5
2. Ability to determine, define, formulate and solve the factors that affect health; ability to choose and apply evidence based techniques and new methods for this aim.			
3. Ability to choose and use modern equipments, techniques and modalities for physiotherapy and rehabilitation practices; effectively use the informatique technologies.			
4. Ability to design multidisciplinary research, keep records, collect appropriate data, analysis and interpret results.			
5. Ability to attain new knowledge, make literature reviews, use medical databases and sources of information devoted to medical- health sciences			
6. To work autonomously and effectively in health team and self confidence to take responsibility			
7. To internalize characteristically development, literate and lifelong learning; quality development,to contribute education and promotion programs in field,to internationalize their professional behavior.			

8. To have professional deontology and ethical awareness			

Contribution to the level of proficiency: 1. Lowest, 2. Low / Medium, 3. Average, 4. High, 5. Excellent