

# INTERVENTIONAL RADIOLOGY

1	Course Title:	INTERVENTIONAL RADIOLOGY
2	Course Code:	TIP3216
3	Type of Course:	Optional
4	Level of Course:	First Cycle
5	Year of Study:	3
6	Semester:	5
7	ECTS Credits Allocated:	3.00
8	Theoretical (hour/week):	1.00
9	Practice (hour/week):	1.00
10	Laboratory (hour/week):	0
11	Prerequisites:	None
12	Language:	Turkish
13	Mode of Delivery:	Face to face
14	Course Coordinator:	Dr. Öğr. Üyesi MEHMET FATİH İNECİKLİ
15	Course Lecturers:	Dr. Öğr. Üyesi Mehmet Fatih İNECİKLİ Doç. Dr. Ömer Fatih NAS
16	Contact information of the Course Coordinator:	drmfinecikli@uludag.edu.tr 02242953341
17	Website:	<a href="http://bilgipaketi.uludag.edu.tr/Ders/Index/1174015">http://bilgipaketi.uludag.edu.tr/Ders/Index/1174015</a>
18	Objective of the Course:	It aims to give general information about the usage areas of Interventional Radiology, to make practical applications, and to contribute to the application of Interventional Radiological procedures in the life of medicine at the end of this process.
19	Contribution of the Course to Professional Development:	Having knowledge of basic Interventional Radiological procedures required by qualified physicians in the medical profession and being able to use them
20	Learning Outcomes:	
	1	To be able to define Interventional Radiology and clinical usage areas
	2	To be able to explain the working and usage principles of the devices used in Interventional Radiology
	3	To be able to give examples about the usage activities of radiological modalities in Interventional Radiology
	4	To be able to comprehend Interventional Radiological procedures by taking applied training on learning models
	5	To have knowledge about patient evaluation and management before, during and after interventional radiological procedures.
	6	To be able to recognize and apply medical materials used in interventional radiological procedures
	7	To be able to produce solutions to existing medical problems in patients in terms of Interventional Radiological Procedures
	8	Learning and using the medications used in interventional radiological procedures.
	9	Understanding the effectiveness of Interventional Radiology in emergency situations.

		10	Taking responsibility, making fast and effective decisions in critical moments in the medical life with the information learned from these courses	
21	Course Content:			
	Course Content:			
Week	Theoretical	Practice		
1	What is Interventional Radiology? Which areas does it serve?			
2	Interventional Radiology infrastructure, daily polyclinic and service practice.			
3	Patient evaluation in Interventional Radiology			
4	Percutaneous biopsies			
5	Percutaneous drainages			
6	Interventional Radiological approaches in pain management			
7	Central venous catheter implantation			
8	Endovascular treatment in peripheral artery diseases			
9	Endovascular approach to venous thrombosis			
10	Interventional Radiological procedures in patients with peripheral - visceral hemorrhage			
11	Vascular and non-vascular foreign body removal			
Activites		Number	Duration (hour)	Total Work Load (hour)
Theoretical				
14	Acute Stroke endovascular treatment	14	1.00	14.00
Practicals/Labs		14	1.00	14.00
22	Textbooks, References and/or Other Self study and preparation Materials:	1- Handbook of Interventional Radiologic Procedures. Janette Durham Krishna Kandarpa Lindsay Machan	1.00	14.00
Homeworks		14	2.00	28.00
Projects		David Kessel, Iain Robertson.	5.00	5.00
Field Studies		3- Pocketbook of Clinical IR: A Concise Guide to	0.00	0.00
Midterm exams		Linberg, Kyle J. Cooper.	5.00	5.00
Others		4- Learning Interventional Radiology. Justin Shafa.	0.00	0.00
Final Exams		5- IR Playbook. A Comprehensive Introduction to Interventional Radiology. Nicole A. Keefe, Ziv J Haskal.	5.00	5.00
Total Work Load				90.00
Total work load/ 30 hr		6- Interventional Radiology for Medical Students. Hong Kuan Kok, Elizabeth Ryan, Hamed Asadi, Michael Lee.		2.83
ECTS Credit of the Course				3.00
		Nurullah Dogan, Mustafa Gök, Demet Gunduz. 8- Temel Girişimsel Radyoloji. Türk Radyoloji Seminerleri. Konuk Editör: İsmail Oran 9- Olgularla Girişimsel Radyoloji (Hector Ferral, Jonathan Lorenz. Prof. Dr. Okan Akhan, Prof. Dr. Erhan Akpınar. Palme Yayınevi		
23	Assesment			
TERM LEARNING ACTIVITIES		NUMBE R	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	There is a midterm and a final exam.
<b>24</b>	<b>ECTS / WORK LOAD TABLE</b>

<b>25</b>	<b>CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS</b>															
	PQ1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	PQ9	PQ10	PQ11	PQ12	PQ13	PQ14	PQ15	PQ16
ÖK1	2	0	3	5	0	4	3	4	4	4	4	3	4	4	4	4
ÖK2	3	4	4	4	5	4	4	4	4	4	4	3	4	3	4	4
ÖK3	3	4	4	4	4	4	5	5	5	4	4	4	4	4	4	4
ÖK4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
ÖK5	4	4	4	4	4	4	4	4	4	4	4	4	4	5	4	4
ÖK6	4	4	4	4	4	5	5	5	5	5	5	4	4	4	4	5
ÖK7	4	4	3	4	4	4	4	4	4	4	4	4	4	4	4	4
ÖK8	4	3	4	4	4	5	4	4	4	4	4	5	5	5	4	4
ÖK9	4	4	4	4	4	4	4	4	4	4	4	4	5	5	5	5
ÖK10	4	5	4	4	4	4	4	3	4	4	4	4	4	4	4	4
<b>LO: Learning Objectives    PQ: Program Qualifications</b>																
<b>Contribution Level:</b>	<b>1 very low</b>		<b>2 low</b>		<b>3 Medium</b>		<b>4 High</b>		<b>5 Very High</b>							