NIV 1975	asiry			T.C. Firat University Course Syllabus Form					Document NoF.Publication Date1Revision Date-Revision No0		стм - 0001 3.09.2021	
Code and	FIZ5560 PHYSICS OF NUCLEAR MEDICINE											
Unit: G	Graduate School of Natural and Applied Sciences											
Detail:	Period: 2023-2024 Status			Optional	Class: 1	Credits:	2-2-0-3	ECTS: 6	5 Language: Turkish			
INSTRUCTORCOURSE ASSISTANT												
Title, Name and	d Surnam	e:				ſitle, Name	and Surnar	ne:				
Phone:							Pho	ne:				
Emain: Social Account:						S	Em ocial Accou	all:				
Student Day	and Time	e:				Student I	Day and Tir	ne:				
Lassons	Mon	day	Tuesday Wee		Indunesday	Thursday Frid.			av Satu		rday	
Weekly	MON	nuuy Tucsuuy		,	meanestury		rnursuuy rnut		iy Sutu		ruuy	
Program:					-							
Dondoning	endering Eace-to-face lessons per weak 4. It will be done on an hourly basis											
Place:	lace: YY: - UE: -											
	To occurr	a acquire detailed knowledge about atoms, radioactivity, radioactive decay, and their units, to learn nuclear medicing imaging										
Purpose:	echniques; to gain an in-depth understanding of radiation protection in nuclear medicine; and to obtain comprehensive											
	information on the production of radiopharmaceuticals and radionuclides.											
Material:	Nuclear	uclear Medicine Physics, Istanbul University, 2000										
Student												
Responsibility	Attending classes, submitting assignments on time, and participating in exams.											
1												
	Week	Topic							Method			
Weekly Lesson Plan	1	Introduction to Radioisotopes, Radioactive Disintegration, Units,								YY		
	2	Nuclear Imaging Methods. Detection of Radiation								YY VV		
	4	Semiconductor Detectors, GAMA Cameras								YY		
	5	Nuclear Census Statistics, SPECT								YY		
	6	PAD Radiation Protection Dose Intake									YY VV	
	8	Dose Intake							YY			
	9	Radiation Dozimetre							YY			
	10	Diagnosis and Radionuclei Used							YY			
	11	Radiation Protection from the Perspective of Nuclear Medicine I							YY VV			
	13	Radiopharmaceuticals and Radionuclei								YY		
	14	4 Production of Radionuclei									YY	
			Method							Number	Weight	
Assessment and Evaluation		Exam	Face							1	% 50	
	Break	Quiz	-							-		
	Exam	Homework	-									
		Project	-							-	-	
	General	Face									% 5	
	Exam	Tucc								1	0	
	1	Detailed information about Atom, Radioactivity, Radioactive Disintegration and Units is obtained.										
	2	Learns Nuclear Medicine Imaging Methods. Obtain the in-depth knowledge required for Radiation Protection in										
Course	2	terms of Nuclear Medicine.										
Outcomes:	3	nave detailed information on radiopnarmaceuticals and the production of radionuclei.										
	5											
Course-Specifi	c Explan	ations										
UE: Distance E	ducation	; YY: Face-to	o-Face Educa	tion								
Click or tap here to enter text.												
×.												