NUCLEAR PHYSICS									
1	Course Title:	NUCLEA	AR PHYSICS						
2	Course Code:	FZK320 <sup>2</sup>	1						
3	Type of Course:	Optional							
4	Level of Course:	First Cyc	cle						
5	Year of Study:	3							
6	Semester:	5							
7	ECTS Credits Allocated:	4.00	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 f	face						
14	Course Coordinator:	Doç. Dr.	REMZIYE ERGÜL						
15	Course Lecturers:								
16	Contact information of the Course Coordinator:	ergulr@u Fakültes	uludag.edu.tr, 224 2942293, Uludağ Üniversitesi Eğitim i, A Blok, İlköğretim Bölümü, 16059 Nilüfer,Bursa						
17	Website:								
18	Objective of the Course:	The purpose of this course, student teachers acquire the necessal basic knowledge about the subjects of radioactivity, to establish the relationships between concepts, is to acquire basic problem solving skills							
19	Contribution of the Course to Professional Development:								
20	Learning Outcomes:								
		1	To be able to to gain knowledge and skills to interpret and analyze events related nuclear physics						
		2	To be able to learning and applying the general concepts about nuclear events						
		3	To be able to.know the characteristics of radiation detectors and measurement of radiation and gain the knowledge and skills of nuclear physics applications						
		4	To be able to solve related problems in nuclear physics.						
		5							
		6							
		7							
		8							
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		10							
21 Course Content:									
		ourse Content:							
Week	Theoretical		Practice						
1	Introduction-basic information								
2	Properties of nucleus								
3	Nuclear radius and nucleus density								

4	Bind	ling e	energy	of nu	cleus													
5	Nucl	Nuclear models																
6	Nucl	uclear reactions																
7	Radi	dioactive decay																
8	Radi	ioact	ive de	cay se	eries													
9	Alfa,	a, beta decay																
10	Nucl	lear f	orces															
11	Fisio	on an	d fusi	on														
12	Nucl	lear e	energy	/														
13	Simu	ulatio	ons of	Nucle	ar Ph	ysics												
14	Simu	ulatio	ons of	Nucle	ar Ph	ysics												
22	Douthooka Deferences and/or Other						k	Kenneth S. Krane, Nükleer Eizik 1 Cilt, Delme vevurevi										
~~~~	Materials:						A 19 Ö A B	A. Beiser, Concepts of modern Physics, Mcgraw-Hill NY, 1987: çeeviri: Gülsen Önengüt. Arya, Atam P. Çekirdek Fiziğinin Esasları Besim Tanyel Nükleer Fizik, Ege Üniv. Basımevi 1994.										
23	Asse	esme	nt															
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	- <b>F</b>														T - 4 - 1 \A			
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Total w	ork lo	bad/	30 hr													4.00		
ECTS (	Credi	t of tl	ne Co	urse										4.00				
25	25 CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS																	
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Contrib	1 very low	2 low	3 Medium	4 High	5 Very High
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