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Code and	ri75540) NHCI FA	R MAGNE	TIC RE	SONANCE				,				
Name:	Creduate School of Natural and Applied Sciences												
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INSTRUCTOR COURSE ASSISTANT													
Title, Name an	Title, Name and Surname: Fitle, Name and Surname:												
Finall:						nail:							
Soc	Social Account: - Social Account: -												
Student Da	y and Tim	e:				Student	Day and Ti	me:					
Lessons	Mon	dav	Tuesday		Wednesday	Thu	rsdav	Frid	lav	Satu	rdav		
Weekly		-			2		2				-		
Program:					-								
Rendering: Place:	Face-to- YY: -	face lessons per week 4 It will be done on an hourly basis. UE: -											
Purpose:	To expl nuclei an chemistry determin	To explain the basic physical and chemical principles of NMR spectroscopy, to understand the magnetic properties of atomic uclei and how these properties are used in spectroscopy. To understand the applications of NMR in various fields such as hemistry, physics, biochemistry, pharmacy and medicine. In particular, to comprehend the role of molecular structures in the etermination of molecular structures and the study of various molecular properties.											
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Student Responsibility :	Attendin	g classes, submitting assignments on time, and taking exams .											
	Week	Topic									Method		
	1	Nuclear M	agnetism, Mag	netism							YY		
	2	NMR Spectroscopy								YY			
	3	NMR Assay									YY		
	4	NMR Spectrometer									YY		
	5	NMR's Fourier Transform									YY		
Weekly Lesson Plan	6	Quantum Mechanical Interactions									YY		
	7	Nuclear Spin Interactions									YY		
	8	Internal and Enternal Magnetic Fields									YY		
	9	Internal and External Magnetic Fields											
	10	NMR Spectrum Analysis											
	12	Solid State NMR								vv			
	13	Biological NMR									YY		
	14	14 Medical Applications, Advanced NMR Techniques, NMR Spectroscopy and Computer Modeling											
		-	Method							Number	Weight		
Assessment and Evaluation		Exam	Face							1	% 50		
	Brook	Quiz	-							-			
	Exam	Homework	-										
		Project	-							-	-		
		P									0/ F		
	Exam	Face								1	% 5 0		
	1	The basic principles of NMR spectroscopy, the magnetic properties of atomic nuclei and how these properties are used in spectroscopy are learned.											
Course	2	How NMR is used in fields such as chemistry, physics, biochemistry, pharmacy and medicine and its importance in the process of determining molecular structures is understood											
Outcomes:	3	Knowledge about advanced NMR techniques is obtained.											
	4	Analytical thinking and problem-solving skills by learning how to analyze NMR data arrival ir.											
	5 Learn about the latest developments and future potentials of NMR technology.												
Course-Specif	ic Explan	ations:											

V N I V C S S S S S S S S S S S S S S S S S S	T.C. Firat University Course Syllabus Form	Document No Publication Date Revision Date Revision No	Едтм – 0001 13.09.2021 - 0
UE: Distance Education; YY: Face-t	o-Face Education		