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1975	Y.			Cou	rse Syllabu	is Form		Revision Date Revision No	-			
Code and Fi	i7515(	ΙΝΤΡΟΠ	UCTION TO	COMDU	TED CIMI	ILATIONS IN PH	IVSICS	1				
nume:					I EK SIMU		113163					
		chool of Natu 2023-2024	ral and Applied So Status: 0		Class: 1	<b>Credits:</b> 3-0-0-3	FCTS: 6	Language:	Turki	ch		
Detum P	eriou. 2	2023-2024	Status. 0	ptional	Class. 1			0.0	I UI KI	511		
		NSTRUCTO	R				Course Ass	İSTANT				
Title, Name and	Surname Phone				l	itle, Name and Surna						
	Emai						nail:					
Socia	l Accoun	t: -				Social Acco	unt:					
Student Day	and Time	e: -				Student Day and Ti	me:					
Lessons	Monday		Tuesday Wed		Inesday	Thursday	Friday	,	Satur	'day		
Weekly												
Program:					•							
Rendering:	Face-to-	face lessons	per week 3 I	<mark>t will be d</mark>	one on an ho	ourly basis.						
Place:	YY: Department of Physics UE: -											
Purpose:	Studyin	<mark>g some theo</mark> r	retical subjects in	n the field	<mark>s of science</mark> a	and engineering wit	<mark>h computer s</mark> i	imulations				
	Lecture	_										
	Lecture	notes										
Student sponsibility T	he stude	ent has comp	oulsory attendan	ce								
:			, ,									
	Week	Topic								Metho		
	1		on to computer sir	nulations						YY		
	2	The purpose of computer simulations and examples from around the world								YY		
	3	Phyton lan	guage and its basi	ic structure	9					YY		
Weekly Lesson Plan	4	Fortran programming language							YY			
	5	Fortran and Phyton languages and general characteristics							YY			
	6	Simulation in Physics, Chemistry and Engineering							YY			
	7	Simulation of small-scale molecules							YY			
	8	Simulations of large molecules								YY		
	9	Simulation mo Problems and Solution Techniques							YY			
	10	Simulation techniques with parallel programming						YY				
	11	Application-1							YY			
	12 13	Application-2							YY YY			
	13	Application-3 Final Exam						YY				
	14	Fillal Exam	Method						umbe			
		Exam	Face to Face						1	% 50		
		Quiz							-			
sessment and	Break	Homework	-									
Evaluation	Exam	Project	-						-	-		
	General	Face to Fa	ce						1	% 5		
	Exam							_	0			
	1	General simulation techniques and methods										
Course	2	The student will gain independent thinking and programming										
Outcomes:	3	To be able to learn the modeling of molecules and to comment comfortably on their inner world										
	4											
	5											
	Ermle											
ourse-Specific			- Engo Education	2								
			o-Face Education	n								

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