			Ν	NEAR EA	ST UNIV	/ERSIT	Y – COM	MON CO	OURSES C	OORDINATIO	N UNIT			
							Depart	ment of	Common	Courses				
Course Information Sheet& Course Outline														
Course (	Code	e Name	2020-20					Credit			ECTS			
PHY101	(	Genera	al Physio	cs I						4		5		
Pre-requ	iisite: -				G	T			37	2020.21		G	· ·	
Languag	anguage: English				Course Type:elective				Year: 2020-21		<b>.</b> .	Semester:spring		
weekiy	weekly Hours Clas		Class H	s Hours		Laboratory		Pra	cticum	DC	Learning	Learning Sessions		
			3			2			-	11		<u> </u>	1	
Course Lecturer/Coordinate				r•Dr Erkutİnanİseri /Assoc Pro				Of	ffice Hours: Tuesday $10:00 - 10:50$				1	
GülsümA	Di Elkuthanişen /Assoc. 1101.				01	office flours. Fuesday 10.00 10.50								
E-mail address erkut.inaniseri@neu.edu.tr Online Office Hour Link: meet.google.com/vck-sgzp													zp-yti	
Learning	g	A	fter the	the completion of this course, the student will be able to										
Outcome	es		•	• Develop the knowledge of the concepts, theories, techniques and principles of classical mechanics										
			•	Understand the diagrammatic and graphical representation of physics problems and physical data										
			•	• Improve their skills in correctly using symbols and units, analytically/critically applying the theoretical										
				concepts and methods of mechanics and formulating appropriate equations to solve problems										
<ul> <li>perform scripted experiments as a team, analyzing and evaluating the data, and writing lab reports</li> <li>Improve the strangth of students? spectrum and systematic thinking spectrum.</li> </ul>												reports		
· Improve the strength of students creative and systematic uniking capability														
Course This is an fundamental physics course for faculty of engineering. Its covers basic physics subjects of Mechanics														
Description														
Course Objectives • To introduce the fundamental concents of motion necessary for engineering science and provide assential														
background for engineering students.														
• To provide students with a deeper understanding of fundamental laws and concepts of natural phenomena.														
			•	To imp	prove stud	lents' j	problem sc	olving sk	tills					
Textbool	ks and/or	1	Do	uglas C.	Giancoli	, Physi	cs for Scie	entist and	d Enginee	rs with Modern	Physics, 4 <sup>th</sup> E	dition, Prir	nticeHall.	
Reference	Contont	2	Ma	terials o	n UZEM	ta Maa	ton coloril	Vino	matics of .	motion Newton	larva of mo	tion and th	ain annli actiona	
Course	Content	W	iysical C	quantitie	s and uni rem Imr	ts. vec ulse a	d moment	um Rot	matics of 1 tational ki	notion. Newton	s laws of mo	tion and th	ier applications.	
Methods	and	0	nline ed	ucation	system	uise a	ia momen	um. Ro	tutionai kii	includes and dy	namics			
Techniq	ues Used				- <b>j</b>									
in the Co	ourse													
							WEEKI	LY OUT	<b>FLINE</b>					
Week	Date				Торіс					Activities			Reference	
1 22February-				Introduction to Classes										
26February														
2	2 1 March- 5 Marc		th F	Measure:	nents, a Vector	c							1	
3			. k	Kinemati	$\frac{1}{c}$ in one	3							1	
8 March- 12 Marc			ch d	limensio	n									
4 15 March - 19 Ma		rch F	Kinematic in two or three									1		
1.5 Ividi (11 - 1.7 Midr)		d	dimension											
5	22 March - 26 March		rch F	Friction- circular motion				I						
7	5 April -9 April			Work and Energy				I						
8	12 April- 16 April		il V	Review midterm subjects									1	
9	19 April- 23 April							Mid-term Exams					-	
10	26 April- 30 April			Conserva	tion of E	nergy		· · ·					1	
11	3 May- 7 May			Linear Momentum									1	
12	10 May- 14 May		y F	Rotational Motion									1	
13	17 May- 21 May		y A	Angular Momentum									1	
14	24 May- 28 May		y A	Angular Momentum									1	
15	31Mav-	() L	Review all subjects											
16	7 june –	16 jun	ie F	Final Exams										
Attendar	nce: Minimu	um 70	%											
Assessm	ent		1	Гуре		%	Referen	ce/Sour	ce	Re	elevant Comp	oetencies		
Breakdown		1	1 Homeworks (		(3) 30			1						
		2 Quizzes (3)			60			1						
		3	Lab				10 1 I I							
Educational Tool Amount					Student Work Load(Hour				Educatio	onal Tool	Amount		Student Work	
Preparing	g for le	cture	11	1	11*3=33				Lab session		5		5*3=15	
Home w	ork	11	2	<u>9*2_7/</u>				Discussion 2				3*6-18		
Tione we	UI K		12		o**3=24			Problem	solving	3		5-0-10		
Quizzes	3	5	3*10=30				sessions		12		10*3=30			
										Total	150			
				T	Recommended EC			redit	183/30 = ~5					
				(Total He			/ 30):							