Course number		ber	U-LAS12 10003 LE57											
Course title (and course Fundam title in Fundam English)		undame undame	ental Physics A-E2 ental Physics A-E2					Instructor's name, job title, and department of affiliation			Graduate School of Engineering Senior Lecturer, Lim, Sunghoon			
Group	ural Sci	ciences				Field(Classification)			Phy	Physics(Foundations)				
Language of instruction Englis			h				Old group Group E				Number of credit			2
Number of weekly time blocks		1	Class style		style	Leo (Fa	cture ace-to-face course)		ırse)	Y	Year/semesters		2025 ·	First semester
Days and periods Tue.		Tue.2		Та		rget	t year Ma	ainly 1st	1st year student		Eligible students		For science students	
[Overview and purpose of the course]														
This course introduces the terminology and fundamental concepts of classical mechanics. It covers law of conservation involving energy and momentum and mathematical modeling of a system of particles.														
[Course objectives]														
The goal of this course is to learn the concepts of analytic method for solving equations of motions which are the most common and important mathematical models in science and engineering and to develop an ability to apply the theories to solve a real world physics problem.														
[Course schedule and contents)]														
 Vectors, Kinematics, and circular motion (3 weeks) Newton's laws of motion and circular motion dynamics (3 weeks) Momentum and conservation of momentum (2 weeks) Potential energy and conservation of energy (3 weeks) System of particles and rigid body dynamics (3 weeks) Final examination (1 week) Feedback session (1 week) 														
[Course requirements]														
Basic knowledge of high school physics is required for effective lesson.														
[Evaluation methods and policy]														
Attendance and homework (30%), Participation (20%), and final examination (50%)														
[Textbooks]														
Study guides will be given in every lecture.														
[References, etc.]														
(Refere David Halli ISBN:1118	(References, etc.) David Halliday, Robert Resnick, and Jearl Walker ^F Fundamentals of Physics 10th Edition (Wiley) SBN:111823071X													
[Study ou	[Study outside of class (preparation and review)]													
Study guides and simple assignments will be provided every week, to help you expand your knowledge.													wledge.	
[Other inf	for	mation	n (offi	ce hou	ırs, e	tc.)]							
Questions c	an	be sent	by en	nail, and	l will	be a	nswered	electr	onically.					