



HANYANG UNIVERSITY

Hanyang International Summer School

Faculty Information	Name	Yoon, YeoWoong					
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	Home University	Hanyang Univ. ERICA					
	Department	College of Science and Convergence Technology,					
	Homepage						
Course Information	Class No.	TBA	Course Code	GEN0063	Credits	3	
	Course Name	General Physics 1					
	Lecture Schedule	Mon-Thu /					
	Course Description	We study general physics which is essential for majoring in natural science and engineering. We cover first part of general physics including, Newton's mechanics and Fluid mechanics and waves.					
	Course Objective	We understand physics law regarding the motion of objects with respect to Newtons mechanics and energy. We learn how to describe many physical phenomena around us in a mathematical way and how to apply physics laws to them.					
	Prerequisite	High school level Calculus					
Evaluation	Attendance	10%	Quiz	%			
	Assignment	20%	Mid-term Exam	30%			
	Presentation	%	Final Exam	40%			
	Group Project	%	Participation	%			
	Etc.	Evaluation Item			Ratio		
					%		
			%				
Daily Lecture Plan	Week 1	Day 1	Chap1. Measurement				
		Day 2	Chap2. Motion Along a Straight Line				
		Day 3	Chap3. Vector				
		Day 4	Chap4. Motion in Two and Three Dimensions Chap5. Force and Motion I				
	Week 2	Day 1	Chap6. Force and Motion II				
		Day 2	Chap7. Kinetic Energy and Work				
Day 3		Chap8. Potential Energy and Conservation of Energy					



		Day 4	Midterm Exam
	Week 3	Day 1	Chap9. Center of Mass and Linear Momentum
		Day 2	Chap10. Rotation
		Day 3	Chap11. Rolling, Torque, and Angular Momentum
		Day 4	Chap12. Equilibrium and Elasticity Chap13. Gravitation
	Week 4	Day 1	Chap14. Fluids
		Day 2	Chap15. Oscillations
		Day 3	Chap16. 17. Waves
		Day 4	Final Exam