HANYANG UNIVERSITY

Hanyang International Summer School

Faculty Information	**Name**	So-Yeon Baek					
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	Homepage	NA					
Course Information	**Class No.**	TBA	**Course Code**	GEN0064	**Credits**	3	
	Course Name	General Physics 2					
	Lecture Schedule	Mon-Thu /					
	Course Description	General physics 2 is the second part of a two-semester calculus-based introductory physics course for science and engineering majors. This course will cover physics related to electricity, magnetism, such as Coulomb's law, Gauss' law, electric field and potential, circuits, magnetic field, induction, electromagnetic waves and lights.					
	Course Objective	In this course, students will learn how to express the phenomena observed in nature. The purpose of this lecture is to let students understand basis of the physical properties of electric and magnetic fields created by static charge and current distributions.					
	Prerequisite	General Physics1 preferred, but not mandatory.					
	Materials/Textbooks	Principles of Physics(11th Edition), written by Halliday, David Lecture notes will be given in the HY LMS-in site prior to class.					
Evaluation	**Attendance**	10%	**Quiz**	%			
	Assignment	20%	**Mid-term Exam**	30%			
	Presentation	%	**Final Exam**	30%			
	Group Project	%	**Participation**	10%			
	Etc.	**Evaluation Item**		**Ratio**			
				%			
				%			
Daily Lecture Plan	**Week 1**	Day 1	Orientation and Introduction to the Physics. CH.21. Coulomb's Law				
		Day 2	CH.22 Electric Fields				
		Day 3	CH.23 Gauss' Law				
		Day 4	CH.24 Electric Potential				
	Week 2	Day 1	CH.25 Capactiance				
		Day 2	CH.26 Current and Resistance				
		Day 3	CH.27 Circuits				
		Day 4	Mid-term Exam				

	Week 3	Day 1	Problems and Solutions on Electric Circuits
		Day 2	CH.28 Magnetic Fields
		Day 3	CH.29 Magnetic Fields due to Currents
		Day 4	CH.30 Induction
	Week 4	Day 1	CH.30 Inductance
		Day 2	CH.32 Maxwell's Equations
		Day 3	CH.33 Electromanetic Waves
		Day 4	Final Exam