



HANYANG UNIVERSITY

2018 HISS Syllabus [General Physics 1]

Professor: **So-Yeon Baek**
E-mail: sybaek@hanyang.ac.kr
Home Univ.: Hanyang University
Dept.: Department of Applied Physics

Description: First semester of a two-semester calculus-based introductory physics course for science and engineering majors. This course will cover physics related to Newtonian mechanics, oscillations and waves, heat and thermodynamics.

Objective: Students will learn how to express and discover science phenomena in our environment and study fundamental of physics. This course will help students understand principles of physics to apply to their major fields. Also, the units and vector expression in the area of science and engineering major will be emphasized through the class.

Preparations: [Textbook] Principles of Physics(10th Edition), written by Halliday, David
Lecture notes will be given in the HY-in site prior to class.

Schedule:	Week 1	Introductions, Measurement, Motion in 1-D, 2-D, and 3-D, Vectors	
	Week 2	Force and Motion, Work and Energy, Center of Mass and Linear Momentum.	Midterm Exam
	Week 3	Rotational Motion, Equilibrium, Fluids, Oscillations	
	Week 4	Waves, Sound Waves, Thermodynamics.	Final Exam.

Evaluation:	Midterm (%)	Final (%)	Attendance (%)	Assignments (%)	Participation (%)	Etc. (%)
	30	30	10	20	10	00

Hanyang International Summer School

Office of International Affairs, Hanyang University
222 Wangsimni-ro, Seongdong-gu, Seoul, 04763, Korea
Tel. +82-2-2220-2456 | iss@hanyang.ac.kr