

2017 Fall Semester 物理(一) Physics (I) course syllabus

Course Name : (Chinese)物理(一) (English)Physics (I)		Dept. of course offering	Physical section			
		Permanent course No.	DEP1111			
Instructor : 陳文雄						
Credits	4	Required/Elective:Required	Required	Grade	*	
Prerequisite : High school Physics and Mathematics (including elementary calculus preferable) are required for college Physics in general.						
Course descriptions and objectives : The pedagogical elements of the first three parts of the designated textbook contain the following listed topics all will be covered so as to provide students consolidate knowledge and problem solving skills in due aspects which is necessary for various and continuing advanced courses both in sciences and engineering departments: 1. Mechanics – linear and angular kinematics and dynamics, momentums and mechanical energies, fluid mechanics. 2. Oscillations and Mechanical Waves – oscillatory motion, wave motion, properties of waves. 3. Thermodynamics – Heat and Laws of thermodynamics, Kinetic theory of Gases.						
Textbooks: (Please indicate the book' s name, author, publisher and the publication date)		Physics for Scientists and Engineers _ Jewett & Serway, 10th Edition, Brooks/Cole (International edition), 2017.				
Course Contents		Hours				Notes
Topics	Outlines	lectures	Demonstration	Practice	Others	
Description of Course Details : 1.Homework and Assignments, Exams and Quizzes, Evaluation and Grading Policy According to a separate syllabus to be handed out in the first week of the class.						
2.Pedagogy and other supplementary information (websites, TAs, handouts and/or databases) Class room slide presentation, blackboard derivation and narration. Problem solving and discussion be carried out separately in recitation class.						
Office hours	Time slot		Location		Contact information	
	According to a separate syllabus to be handed out in the first week of the class.		defaulted classroom(s) by the course department		e-mail, phone and/or personal visiting	
Syllabus						
Week	Date	Course Progress, Contents, Topics				