朝陽科技大學 094學年度第2學期教學大綱
Physics 普通物理

當期課號	1524	Course Number	1524
授課教師	邱英浩	Instructor	CHIU,YIN HAO
中文課名	普通物理	Course Name	Physics
開課單位	建築系(四日)一A	Department	
修習別	必修	Required/Elective	Required
學分數	3	Credits	3
課程目標	物理學爲工程科之基礎。學生應明瞭其基本原理及應用技巧，並爲將來建築物理課程奠定一定之基礎。	Objectives	This course is designated as the basis of the architectural mechanics of structure. The contents include mainly the statics which uses the balance of force to get the reaction of simple beam and cantilever; furthermore, to compute the interior force and stress as well as analyze the characteristics of sections and tension of materials. The goals are achieved by utilizing the analysis and computation techniques to study the principles of Physics. By means of some elaborately designed study cases, students are able to improve their practical knowledge of structural physics and capture the concept of mechanics of structure step by step.
教材	Halliday, D.,Resnick, R. and Walker, J. (1997) Foundamentals of Physics Extended, John Wiley &Sons, INC.	Teaching Materials	
成績評量方式	小考2次20%, 期中考20%, 期末考30%, 作業20%, 課堂表現及出席率10%	Grading	Quizzes 20%, Middle term exam 20%, Final exam 30%, Homework 20%, Participation and attendance 10%
教師網頁			
教學內容	以古典物理爲基礎,教導學生與建築物理相關之內容;包括:力與運動;功與能,基本流體力學;振盪與波動;基礎熱力學.	Syllabus	The lecture is based on the classic physics and aims at teaching students to have comprehensive knowledge associate with building physics. The content of the lecture includes force and motion, energy and work, fluid mechanics, oscillations and waves, and thermodynamics.

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