朝陽科技大學 099學年度第2學期教學大綱
General Physics 普通物理學

當期課號	1606	**Course Number**	1606
授課教師	謝定國	**Instructor**	HSIEH,DEAN KUO
中文課名	普通物理學	**Course Name**	General Physics
開課單位	應用化學系(四日)一A	**Department**	
修習別	必修	**Required/Elective**	Required
學分數	3	**Credits**	3
課程目標	配合微積分課程，練習將微分、積分、向量、矩陣、機率等數學觀念與技巧用在物理問題上；是"原子與分子結構"及"物理化學"的先修課程。	**Objectives**	Together with the course of "Calculus", we'll go though the notions of "Differentiation", "Integration", and "Vector", as well as the application of these methods to solve problems in Physics.
教材	1. A. Giambattista, B. McCarthy Richardson and R. C. Richardson (2005) "College Physics", (中譯本,高立圖書公司) 2. A. Beiser "Concepts of Modern Physics" 5e	**Teaching Materials**	1. A. Giambattista, B. McCarthy Richardson and R. C. Richardson (2005) "College Physics", (中譯本,高立圖書公司) 2. A. Beiser "Concepts of Modern Physics" 5e
成績評量方式	3次小考，1次期中考，1次期末考。平均成績60分以下不及格。	**Grading**	Mid Exam (20%), Final Exam (20%), and 3 Quizes (60%).
教師網頁			
教學內容	配合微積分課程，練習將微分、積分、向量、矩陣、機率等數學觀念與技巧用在物理問題上；從牛頓力學開始，強調動量、能量守恆，振動，轉動，電磁學，以及近代物理。	**Syllabus**	Together with the course of "Calculus", we'll go though Newtonian mechanics, the conservation of momentum and energy, vibration, rotation, introduction of electromagnetic radiation, and modern physics.

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