朝陽科技大學 094學年度第2學期教學大綱
General Chemistry（Ⅱ）普通化學(二)

當期課號	1424	**Course Number**	1424
授課教師	徐基東	**Instructor**	HSU,CHI TUNG
中文課名	普通化學(二)	**Course Name**	General Chemistry (Ⅱ)
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	介紹化學之基本知識與觀念，使學生開始接觸較基礎的有機化學、分析化學、物理化學、生物化學，以便在二年級以後更有效率地學習各門化學之專業科目。?	**Objectives**	This course deals with the preliminary introduction of first-year college chemistry. It includes the basic materials of organic chemistry, inorganic chemistry, analytic chemistry and physical chemistry. The details of the contents involving chemical bonding, elements, and chemical compounds, solution chemistry, various types of chemical reaction consisting of acid and base, oxidation and reduction, precipitation, etc., thermochemistry, chemical equilibrium, kinetics, thermodynamics, coordination compounds, organic chemistry and polymers. The format of this course includes lecture, problem sets, examination and recitation.?
教材	Chemistry,2002,Raymond Chang,Mc Graw Hill,7th Edition	**Teaching Materials**	
成績評量方式	總分100分 每教完一章考一次小考,本學期共8次小考,共80分.	**Grading**	Total: 100 points One quiz after one chapter, total 80 points.
教師網頁			
教學內容	化學簡介繼續: 化學鍵, 溶液的物理性質, 化學動力學, 化學平衡, 酸與鹼, 酸鹼平衡, entropy 和自由能, 電化學, 過渡金屬,	**Syllabus**	Introduction to chemistry continued: Chemical bonding, physical properties of solutions, Chemical kinetics, Chemical equilibrium, acids and bases, Acids-bases equilibria, entropy and free energy, electrochemisry, transition metals.

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