朝陽科技大學 093學年度第2學期教學大綱
General Chemistry（Ⅱ）普通化學(二)

當期課號	1473	Course Number	1473
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	Gernral Chemistry, The Essential Concept,2003,Raymond Chang,Mc Graw Hill,3rd International Edition	Teaching Materials	
成績評量方式	總分100分 (1)每教完一章考一次小考,本學期共8次小考,共80分. (2)期末考:20分	Grading	Total: 100 points (1)One quiz after one chapter, total 80 points. (2)Final exam: 20 points.
教師網頁			
教學內容	普通化學繼續: 化學鍵, 有機化學簡介, 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	General chemistry continued: Chemical bonding, physical properties of solutions, Introduction of organic chemistry, Chemical kinetics, Chemical equilibrium, acids and bases, Acids-bases equilibria, entropy and free energy, electrochemisry, transition metals.

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