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	1483	Course Number	1483
授課教師	謝定國	Instructor	HSIEH,DEAN KUO
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B	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	General Chemistry, The Essential Concepts, Third Ed. by Raymond Chang; publisher: McGraw Hill	Teaching Materials	
成績評量方式	每教完一章, 小考一次, 一共考8次, 總成績爲80分; 期末考20分.	Grading	Total: 100 points (1)One quiz after each chapter, total 80 points. (2)Final exam: 20 points.
教師網頁			
教學內容	延續上學期之內容, 進入動力學, 熱力學, 電化學, 與過渡金屬化學 之基本原理與知識, 以作爲將來修習有機化學, 分析化學, 物理化學, 無機化學, 與生物化學之基礎.	Syllabus	This class connects the materials of the first semester. It includes chemical kinetics, thermodynamics, electrochemistry and transition metal chemistry. Basic principles and knowledge will be introduced for the background for future learning of organic chemistry, analytical chemistry, physical chemistry, inorganic chemistry and biochemistry.

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