朝陽科技大學 091學年度第2學期教學大綱
Experimental General Chemistry（Ⅱ ）普通化學實習(二)

當期課號	1843	Course Number	1843
授課教師	陳齊聖	Instructor	CHEN,CHEE SHAN
中文課名	普通化學實習(二)	Course Name	Experimental 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	1	Credits	1
課程目標	理論加上實驗永遠是最完美的組合，幫助學生養成對已知化學理論加以求證的習慣，並學習一般化學藥品的處理方法。完成這些訓練不單單對化學反應或化學藥品有更深一層的了解，同時在遇到意外時，有能力去準備必要的措施。	Objectives	Introductory experimental course deals with a great deal of knowledge and innovation. In addition, this course illustrates many principles of general chemistry. Students should learn how to apply the chemical science in our daily lives. This course contains 11 experiments:1. Chemical equilibrium 2. The titration of acid and base 3. Reversible oxidation-Reduction color changes 4. The study of oxidation of iron 5. Introduction to Chromatography; Paper Chromatography 6. Analysis of cations 7. Analysis of anions 8. How to make a good detergent? 9. Shampoo (part I) 10. Shampoo (part II) 11.Hand lotion
教材	口頭講授，學生親手作實驗	Teaching Materials	Lecture and hands-on lab. experiments.
成績評量方式	實驗報告佔35%,實驗精神及態度佔30%,隨堂考試佔15%,期末考佔20%	Grading	
教師網頁			
教學內容	本課程安排10次化學實驗，讓同學瞭解並熟悉不同專題之實驗技巧，印證課本所學理論。	Syllabus	This course offers 10 lab. experiments in chemistry. Students will have opportunities to practice important lab. techniques and understand theories involved.

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