朝陽科技大學 093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	1469	Course Number	1469
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A	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	1.化學實驗，主編：雷敏宏、楊寶旺、廖德章 2.講義	Teaching Materials	
成績評量方式	實驗報告30%， 實驗態度20%， 小考30%， 期末考20%	Grading	Lab. Report 30%, attitude 20%, Quiz 30%, Final 20%
教師網頁	http://www.cyut.edu.tw/~applchem/csc/index.htm		
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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