朝陽科技大學 098學年度第1學期教學大綱
Analytical Chemistry Laboratory 分析化學實驗

當期課號	1830	Course Number	1830
授課教師	許世興	Instructor	SHEU,CE SHING
中文課名	分析化學實驗	Course Name	Analytical Chemistry Laboratory
開課單位	應用化學系(四日)二A	Department	
修習別	必修	Required/Elective	Required
學分數	1	Credits	1
課程目標	本課程在培養學生對定量分析基本操作的了解及技巧。	Objectives	Students will learn the techniques of quantitative analysis from this experiments.
教材	參考乙級檢定術科操作資料編輯	Teaching Materials	Referrally Edited by the experimantal handbook of B grade certification
成績評量方式	報告佔65%, 考試佔20%, 平常成績15%.	Grading	65% from report & 20% from final exam 15% from attendance.
教師網頁	_		
教學內容	實驗說明，實驗室安全簡介，清點實驗器材，天平及容器的校正，以過錳酸鉀滴定定量碳酸鈣試樣中的氧化鈣，無機磷酸鹽的比色定量，利用雙重指示計滴定法滴定碳酸鈉及碳酸氫納，試液中鐵的比色定量，試樣中鈣含量之測定，利用pH計於酸鹼滴定並畫出滴定曲線，維他命C含量之測定，水中六價鉻含量之測定，水中亞硝酸氮之測定，以銀定量法分析試樣中氯離子含量，水中酚類物質之比色分析，以過錳酸鉀定量褐鐵礦中之含量。清點實驗器材，期中及期末考試。	Syllabus	Experimental explaination, Introducing safety of laboratory, Check in, Calibration of analytical balance and container, Calcium oxide determinated by potassium permanganate titration, Inorganic phorsphate determinated by colormetry, Na2CO3 and NaHCO3 determinated by two indicator, Iron determinated by colormetry, Calcium determination, Acid-base titration curve determinated by pH meter, Vitamin C determination, Cr(+6) determination in water, Nitrogen determination of nitrous acid in water, Chloride determinated by silver nitrate titration, Phenol substance determination in water, Limonite determinated by potassium permanganate titration, Check out, Midterm and final exam.

尊重智慧財產權，請勿非法影印。