朝陽科技大學 094學年度第2學期教學大綱
Analytical Chemistry（Ⅰ）分析化學(一)

當期課號	1422	Course Number	1422
授課教師	許世興	Instructor	SHEU,CE SHING
中文課名	分析化學(一)	Course Name	Analytical Chemistry (Ⅰ)
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	讓學生了解、熟悉基本的分析化學概念與知能。內容包括：分析數據之處理與應用、傳統分析中之重量分析、滴定分析及電化學分析，使學生對分析化學之領域及應用有初步基本的了解。	Objectives	The purposes of this course deals with the fundamental concepts and knowledge of analytical chemistry. The contents of this course include traditionally gravimetric analysis, volumetric analysis and electrochemistry. Students should have the overall pictures of analytical chemistry and learn applications of fundamental analytical chemistry after this course.
教材	基礎分析化學 (作者Skoog West Holler)	Teaching Materials	Analytical Chemistry, Skoog West Holler
成績評量方式	四次考試分數平均	Grading	Average of four test.
教師網頁	_		
教學內容	分析化學簡介，分析化學的計算，分析化學的誤差，分析化學的隨意誤差，統計數值的處理與評估，取樣\校正\標準化，水溶液與化學平衡，化學平衡中的電解質，複雜的平衡計算，重量分析方法	Syllabus	The Nature of Analytical Chemistry, Calculations Used in Analytical Chemistry, Errors in Chemical Analyses, Random Errors in Chemical Analysis, Statistical Data Treatment and Evaluation, Sampling-Calibration- Standardization, Aqueous Solutions and Chemical Equilibria, Effect of Electrolytes on Chemical Equilibria, Solving Equilibrium Calculations for Complex Systems, Gravimetric Methods of Analysis.

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