# 朝陽科技大學 094學年度第1學期教學大綱
# Analytical Chemistry(Ⅱ) 分析化學(二)

| | | | |
|---|---|---|---|
| 當期課號 | 1629 | Course Number | 1629 |
| 授課教師 | 許世興 | Instructor | SHEU,CE SHING |
| 中文課名 | 分析化學(二) | Course Name | Analytical Chemistry(Ⅱ) |
| 開課單位 | 應用化學系(四日)二B | 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 / Analytical Chemistry, Skoog West Holler | Teaching Materials | |
| 成績評量方式 | 三次考試分數平均 | Grading | Average of three test. |
| 教師網頁 | _ | | |
| 教學內容 | 複雜酸/鹼系統的滴定曲線，中和滴定之應用，沉澱滴定法，形成錯合物的滴定，電化學簡介，標準電極電位之應用，氧化還原滴定之應用，電位法之原理，電位法之應用 | Syllabus | Titration Curves for Complex Acid/Base System, Applications of Neutralization Titrations, Precipitation Titrimetry, Complex-Formation Titrations, An Introduction to Electrochemstry, Applications of Standard Electrode Potentials. Applications of Oxidation/Reduction Titrations, Theory of Potentiometry. Applications of Potentiometry. |

尊重智慧財產權，請勿非法影印。