朝陽科技大學 095學年度第1學期教學大綱
Applications of Environmental chemistry 環境化學應用

當期課號	1644	Course Number	1644
授課教師	張簡水紋	Instructor	CHANG CHIEN,SHUI WEN
中文課名	環境化學應用	Course Name	Applications of Environmental chemistry
開課單位	環境工程與管理系(四日)二A	Department	
修習別	選修	Required/Elective	Elective
學分數	3	Credits	3
課程目標	本課程主要介紹環境工程相關之化學觀念及應用：內容包括1.基本原理2.平衡化學基本觀念3.應用有機化學的基本概念4.應用程序動力學基本原理5.應用膠體化學及混凝化學及應用	Objectives	This course is to introduce the applications about the environmental engineering chemistry: This course comprises 1.Basic principles,2.Basic concepts and applications from Equilibrium chemistry,3.Basic concepts and applications from Organic chemistry 4.Fundamental of process kinetics and applications, 5.Basic concepts and applications from Colloidal chemistry and Coagulation chemistry.
教材	環境工程化學，蕭蘊華譯，滄海出版社 Chemistry for environmental engineering., McGraw-Hill, Clair N. Sawyer, Perry L. McCarty and Gene F. Parkin.實用環境化學，張仁福，藝軒圖書	Teaching Materials	
成績評量方式	1.期中考30% 2.期末報告：30% 學生專題報告：40%	Grading	Mid-term 30% ; Final examinations 30%; Students' presentations for the applications of selected instrumental analysis. 40%
教師網頁			
教學內容	課程介紹基本原理'平衡化學基本觀念及應用'有機化學的基本概念及應用'程序動力學基本原理及應用'膠體化學混凝化學及應用	Syllabus	Introduction Basic principles;Basic concepts and applications from Equilibrium chemistry;Basic concepts and applications from Organic chemistry;Fundamental of process kinetics and applications;Basic concepts and applications from Colloidal chemistry and Coagulation chemistry.

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