

朝陽科技大學 099學年度第2學期教學大綱
Evaluation method of Chemistry Teaching activity 化學教學活動評量方法

當期課號	7670	Course Number	7670
授課教師	陳齊聖	Instructor	CHEN,CHEE SHAN
中文課名	化學教學活動評量方法	Course Name	Evaluation method of Chemistry Teaching activity
開課單位	應用化學系碩士在職專班一A	Department	
修習別	選修	Required/Elective	Elective
學分數	3	Credits	3
課程目標	本課程主要目標為(1)介紹以化學領域為主之科學教學活動的評量方法與理念;(2)評量結果分析方法;(3)如何透過評量了解學生學習模式與其學習成效;(4)評量結果應用於教學活動的設計與修正,配合課程所需亦將簡介統計方法與相關軟體之應用,並根據發表之研究成果,進行案例研討。	Objectives	The goals of this course are: (1) Introduction of the concepts and evaluation methodologies for science teaching activities in chemistry; (2) Analysis of the evaluation results; (3) Methods of how, through the evaluation, to understand the students' learning pattern and achievements; (4) Application of the evaluation results on the design and modification of teaching activities. The students will also be equipped with basic statistical methods and software. Published research results will be adopted as the basis for case studies.
教材	1. 科學教育：懷卡托研究 Beverley Bell 原著, 鄭美紅譯, 五南書局 ISBN：9789571147161 2. 化學教育測量與評價 周青主編, 科學教育出版社, 2010年初版	Teaching Materials	1. Learning in science - The Walkato research by Beverley Bell ISBN：9789571147161 2. The measurements and evaluation in chemistry education 2010.
成績評量方式	活動參與: 20% 期中報告: 40% 期末報告: 40%	Grading	Participation: 20% Midterm report: 40% Final Report: 40%
教師網頁	http://www.cyut.edu.tw/~wjchien		
教學內容	1. 化學教學活動評量的含意與功能 2. 化學教學活動評量的原則模式與方法 3. 化學教學活動評量工具與實例研討 4. 統計原理在化學教學活動評量之應用	Syllabus	1. The definition and application of evaluation in teaching activity in chemistry 2. The principle, modules and methods in the evaluation of chemistry education activity 3. The evaluation tools for chemistry teaching activity 4. Application of education statistics in the evaluation of chemistry teaching activity

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