朝陽科技大學 098學年度第2學期教學大綱
Applications of Environmental Nanometer Technology 環境奈米技術應用

當期課號	7685	Course Number	7685
授課教師	王敏昭	Instructor	WANG,MIN CHAO
中文課名	環境奈米技術應用	Course Name	Applications of Environmental Nanometer Technology
開課單位	環境工程與管理系碩士在職專班一A	Department	
修習別	選修	Required/Elective	Elective
學分數	3	Credits	3
課程目標	氣膠化學部分先介紹微粒之分類、形成機制、粒徑分佈，然後討論其於大氣中之傳輸現象與傳輸過程中所發生之化學反應，接著介紹其量測方法，最後則討論其控制與減量技術。氣態污染化學則由光化學談起，導入大氣中化學反應之理論，最後討論光化學反應及各種氣態污染物於大氣中之形成與傳輸。	Objectives	The contents of this course comprise the classification of particulate, formation, mechanisms, and size distribution. Besides, the reaction chemistry occurred in the transportation/transformation process would be discussed.
教材	最新有關奈米科技應用、奈米材料及其量測儀器相關研討會之報告資料討論；奈米量測儀器之原理及實測。	Teaching Materials	The discussion regarding the applications of nanometer technology and nanometer materials and their measurement using the lecture materials from symposium reports and journal reports. Explanation of the principles of the measuring instruments and their operations.
成績評量方式	期中考試、期末考試及讀書報告。	Grading	Reading report and midterm and final examinations.
教師網頁	http://blog.ctl.cyut.edu.tw/2003104/		
教學內容	環境奈米科技之意義與應用；環境奈米科技之量測儀器；有關環境工程與環境科學之奈米材料與技術。	Syllabus	The significance and applications of environmental nanometer technology; the measuring instruments of environmental nanometer technology; nanometer materials and technologies regarding environmental engineering and environmental science.

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