

朝陽科技大學 093學年度第1學期教學大綱
Process and Measurement of Nano-materials 奈米製程與檢測

當期課號	7750	Course Number	7750
授課教師		Instructor	
中文課名	奈米製程與檢測	Course Name	Process and Measurement of Nano-materials
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	奈米製程的探討將包括奈米材料合成技術及奈米加工技術。前者將介紹氣相法、液相法及奈米碳管的合成技術，後者將探討掃描探針顯微加工技術。新奈米量測與操控技術的發展使吾人可以善用這些量測工具來開發新結構，觀察新現象及拓展新的應用空間。	Objectives	This course will be studied programs in the synthesis technologies and processing technologies of nano-materials. The former will be introduced the synthesis technologies of gas chromatograph, liquid chromatograph, and carbon nanotube, and the latter will be studied programs in scanning probe microscopic manipulation. The development of new nano-materials measurement and manipulation technology helps us to apply these measurement tools to explore new structure, to observe new outlook, and to extend new application.
教材		Teaching Materials	
成績評量方式		Grading	
教師網頁	-		
教學內容		Syllabus	

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