

朝陽科技大學 093學年度第2學期教學大綱
Special Topics in Nanometer 奈米專題

當期課號	7234	Course Number	7234
授課教師	章日行	Instructor	CHANG,JIH HSING
中文課名	奈米專題	Course Name	Special Topics in Nanometer
開課單位	環境工程與管理系碩士班一A	Department	
修習別	選修	Required/Elective	Elective
學分數	3	Credits	3
課程目標	本課程主要介紹奈米相關材料、技術、相關產業及環境工程應用，奠定學生奈米知識及未來發展之基礎。	Objectives	The contents of this course comprise the fundamental of nanometer material, technology, and applications. The nanometer employed in environmental engineering is also covered. The purpose of this course is to assist students understand the nanometer knowledge and help students fit the new competition of industries.
教材	奈米科學與技術，Wilson et.al.(2002), 王宣勝等譯，普林斯頓國際有限公司，(1999)。	Teaching Materials	
成績評量方式	1.平時成績(出席率、課堂討論、面談) 10% 2.學習評量作業及小考 20% 3.期中考35%4.期末考35%	Grading	1.regular evaluation (presence、discusion、interview) 10% 2.homework and quizzes 20% 3.midterm exam 35% 4.final exam 35%
教師網頁	-		
教學內容	瞭解奈米科技的基本原理與應用範圍 學習奈米材料製作與分析知識與技巧 學習奈米於環境工程相關用途	Syllabus	To understand the fundamental and application of nanometer technology To learn the manufacture and analytical methods of nanometer material To learn the nanometer knowledge applied in the environment weight analytical methods(TS,SS,VS) volume analytical methods(acidity, salinity, hardness,DO、BOD、COD) color comparison methods(color)

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