朝陽科技大學 099學年度第2學期教學大綱
Material Chemistry 材料化學

當期課號	1623	**Course Number**	1623
授課教師	石燕鳳	**Instructor**	SHIH,YENG FONG
中文課名	材料化學	**Course Name**	Material Chemistry
開課單位	應用化學系(四日)二A	**Department**	
修習別	選修	**Required/Elective**	Elective
學分數	3	**Credits**	3
課程目標	本科目著重在以化學方法製備各種材料，如：電子材料、半導體材料、陶瓷材料、磁性材料與特殊金屬材料，同時探討材料在化學上之應用，例如：氣體吸附、催化反應等，使學生瞭解材料與化學跨領域的學理應用。	**Objectives**	This course is aimed at Chemical preparations of electronic materials, semiconductor materials, ceramic materials, magnetic materials, and special metallic materials, Chemical applications of materials is another topic of this course, especially adsorption of gases, catalytic reactions. The interdisciplinary training between materials science and Chemistry will be offered for students during course study.
教材	1.材料科學與工程導論,高立圖書 2.講義	**Teaching Materials**	By textbook and handout.
成績評量方式	課程參與及學習態度(10%) 作業及小考 (40 %) 期中考 (25%) 期末考 (25%)	**Grading**	Attendance (10%) Assignments/Quizzes (40 %) Midterm exam (25%) Final exam (25%)
教師網頁			
教學內容	本課程將針對各種材料的化學製備方法作一系列的簡介和原理探討，及材料應用在光電、塑化、染整、紡織及生醫產業之研究。	**Syllabus**	This course will introduce the fabrication and theory of functional materials and modern applications for the electronic, plastic, optical, textile, and bio industries.

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