朝陽科技大學 095學年度第2學期教學大綱
Special Topics in Polymer Chemistry 高分子化學特論

當期課號	7682	Course Number	7682
授課教師	葉倍宏	Instructor	YEH,PEI HUNG
中文課名	高分子化學特論	Course Name	Special Topics in Polymer Chemistry
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	本課程目標是使學生能更瞭解高分子科學之基本理論外，對於更廣泛之各種高分子化學合成及高分子物質的應用，有更深入之了解。	Objectives	This course intends to provide an introduction to the fundamental concepts in polymer science. The course also tries to provide an understanding of various polymer synthesis and applications of polymeric materials.
教材	採用講義及投影片授課	Teaching Materials	By handout and transparency
成績評量方式	以筆試成績爲主,出席率與報告佔40%,期中考佔30%及期末考佔各30%。	Grading	Graded by the examination, the ratio is 40%, 30%, 30% of presence and report, midterm and final examination.
教師網頁			
教學內容	1. 高分子特性介紹 2. 加成聚合反應與 3. 乳化聚合反應及懸浮聚合反應 4. 活性聚合反應:離子聚合 5. 配位聚合反應 6. Metathesis 7. 縮合聚合反應 8. 功能性高分子 9. 開環聚合反應	Syllabus	1. Introduction to Polymer Properties 2. Addition Polymerization 3. Emulsion and Suspension Polymerization 4. Living Polymerizatin: Ionic 5. Coordination (Ziegler-Natta)Polymerization 6. Metathesis 7. Condensation Polymerization 8. High Temperature and High Performance Polymers 9. Ring-opening Polymerization

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