朝陽科技大學 097學年度第1學期教學大綱
Manufacturing Process 製造程序

當期課號	1680	**Course Number**	1680
授課教師	鄭宗明	**Instructor**	CHENG,TZONG MING
中文課名	製造程序	**Course Name**	Manufacturing Process
開課單位	工業工程與管理系(四日)一A	**Department**	
修習別	必修	**Required/Elective**	Required
學分數	3	**Credits**	3
課程目標	本課程旨在教導現代製造之基本知識、觀念與術語。	**Objectives**	This course introduces fundamental knowledge in modern manufacturing technology.
教材	Manufacturing Engineering and Technology 5th Edition, by S. Kalpakjian and S. Schmid	**Teaching Materials**	Manufacturing Engineering and Technology 5th Edition, by S. Kalpakjian and S. Schmid
成績評量方式	第一次測驗 20% 第二次測驗 20% 第三次測驗 20% 第四次測驗 20% 平時成績 20%	**Grading**	1st Test 20% 2nd Test 20% 3rd Test 20% 4th Test 20% Classroon Performance 20%
教師網頁	http://163.17.12.73/製造程序網頁(20pt)/index.htm		
教學內容	本課程採用多媒體工具介紹一系列基礎製造程序。課程重點在於表達製造過程中，工件與工具間之互動現象，並輔以英文敘述及中文術語翻譯，以加深製造概念之認知與印象。授課主題包括工程材料、模具塑形製造程序、切削塑形製造程序、電化學切削、以及微奈米加工。本課程強調製造程序之具體認知，與英文閱讀之能力。	**Syllabus**	This course introduces basic concepts of the modern manufacturing processes using multi-media course materials. Each topic will present interactions between tools and parts with English text material and Chinese translations. Topics include engineering material and their properties, mold-shaping processes, cutter-shaping processes, electro-chemical cutting processes, and microfabrication. The comprehension of the terminology and knowledge of the selected topics are especially emphasized.

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