朝陽科技大學 094學年度第1學期教學大綱
Science and Technology in human life 科技與人生

當期課號	0098	Course Number	0098
授課教師	謝奉家	Instructor	HSIEH,FENG CHIA
中文課名	科技與人生	Course Name	Science and Technology in human life
開課單位	自然與生命科學課群(日)	Department	
修習別	選擇必修	Required/Elective	Topics in Natural and Life Science
學分數	2	Credits	2
課程目標	介紹科技發展對人類生活的影響,首先說明物質變化的物理與化學基本觀念,再逐步引述化學工業,材料工業,環境科學,地球科學,生命科學的進步,對人類生活的衝擊與生活方式的改變。	Objectives	Impacts of scientific and technological developments on human life will be discussed. Basic physical and chemical concepts which related to the change of matters will be introduced first. Changing of human life due to progresses of chemical industry, materials industry, environmental science, earth science, and life science will be presented.
教材	隨堂講義。	Teaching Materials	
成績評量方式	口頭報告(30%)、指定讀書心得作業(20%)、期末書面報告(20%)、平時成績(出席與討論)(30%)	Grading	oral presentation (30%)、assignments (20%)、term report (20%)、class performance (attendance and participation)(30%)
教師網頁	_		
教學內容	本課程將以深入淺出的方式介紹生物科技(例如轉基因作物、疫苗、PCR技術與生物晶片等)在農業上、醫學上以及生態環境上所造成的影響與衝擊，並概述其它不同科技領域的重要成果(例如奈米科技等)，培養同學對新興科技的基本認知，並提高學生在科技生活上的素養。	Syllabus	Students are introduced to the study of scientific and technological developments, especially biotechnology and nanotechnology, in human life. They should be able to develop their concepts and to understand the impacts brought by the science and technology on agriculture, medicine and environment.

尊重智慧財產權，請勿非法影印。