朝陽科技大學 094學年度第2學期教學大綱
Science and Technology in Modern Life 科技與生活

當期課號	0114	Course Number	0114
授課教師	謝奉家	Instructor	HSIEH,FENG CHIA
中文課名	科技與生活	Course Name	Science and Technology in Modern 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	隨著科技的發展，人類的生活形態不斷地轉變。本課程將介紹物理、化學與生物等科技之基本觀念、在人類文明中所扮演之角色以及在自然生態、環境、社會、健康…等層面所造成之影響與衝擊，期待同學能以理性與人性爲出發點，培養出一個科學的人生觀。	Objectives	Students are introduced to the study of scientific and technological developments in human life. They should develop their understanding of construction, manufacturing, energy/transportation and information/communication as well as biotechnology and nanotechnology. Students should be able to comprehend physical, chemical and biological concepts and to understand the impacts brought by the science and technology on environment and human society.
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。