朝陽科技大學 096學年度第2學期教學大綱
lifescience 生命科學概論

當期課號	0145	Course Number	0145
授課教師	謝奉家	Instructor	HSIEH,FENG CHIA
中文課名	生命科學概論	Course Name	lifescience
開課單位	自然與科技發展課群(日)	Department	
修習別	選擇必修	Required/Elective	Topics in Natural and the? Development of Sciences
學分數	2	Credits	2
課程目標	由於對生命的日愈重視，因此生命科學的探討聚集了更多人的注意。本門課主要是經由生命起源及滅絕的過程來探討，進而了解生命的來源，尊重生命，並進一步了解目前國內對生物科技發展的情形和其在未來生活上的應用。	Objectives	In Life Science, students are introduced to the scientific study of living things. They should develop their understanding of the way a single species functions in its environment as well as how communities of species live in their environment and interact with one another. Students should be able to recognize genes, to understand biotechnology, to develop their conscience and to have respect to all things in the world.
教材	隨堂電腦投影片資料或講義。	Teaching Materials	PowerPoint documents
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	http://tw.myblog.yahoo.com/biopesticides-hsieh		
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，並提高學生在生命科學相關知識領域的素養。	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。