



課 綱 Course Outline

生命科學系學士班

中文課程名稱 Course Name in Chinese		生命科學導論			
英文課程名稱 Course Name in English		Introduction to Life Sciences			
科目代碼 Course Code		LF__11000	班 別 Degree	學士班 Bachelor' s	
修別 Type		學程 Program	學分數 Credit(s)	1.0	時 數 Hour(s)
先修課程 Prerequisite					
課程目標 Course Objectives					
提供資訊使學生了解生命科學之基本概念與背景。					
系教育目標 Dept.' s Education Objectives					
1	培養從事生命科學相關領域之人才 Cultivating talents engaged in life science				
2	培育學生具有自我學習、獨立思考與創新之能力 Fostering students to acquire the capabilities of self-learning, independent thinking, and innovation.				
系專業能力 Basic Learning Outcomes				課程目標與系專業能力相關性 Correlation between Course Objectives and Dept.' s Education Objectives	
A	具備生命科學相關學科之基礎知識 Having the basic knowledge of life science.			●	
B	具備邏輯分析與解決問題的能力 Having the capabilities of logical analysis and problem solving.			●	
C	具備資料整合、數據分析與書面及口頭報告之能力 Having the capabilities of data integration and analysis, and the skills of written and poster presentation.			●	
D	具備終生學習的能力 Having the capability of lifelong learning.			●	
圖示說明Illustration：● 高度相關 Highly correlated ○ 中度相關 Moderately correlated					
課程大綱 Course Outline					

(1) 生命之分子基礎 (2) 細胞：組成與功能 (3) 呼吸作用 (4) 光合作用 (5) 細胞之增殖 (6) 基因 (7) 由基因到蛋白質 (8) 基因重組技術 (9) 演化之機制 (10) 用藥資訊
資源需求評估（師資專長之聘任、儀器設備的配合．．．等） Resources Required (e.g. qualifications and expertise, instrument and equipment, etc.)
電腦和投影機
課程要求和教學方式之建議 Course Requirements and Suggested Teaching Methods
課堂以講授方式進行
其他 Miscellaneous