



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)	1.0
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