朝陽科技大學 094學年度第1學期教學大綱
Biochemistry(II) 生物化學(二)

當期課號	1635	Course Number	1635
授課教師	劉炳嵐	Instructor	LIU,BING LAN
中文課名	生物化學(二)	Course Name	Biochemistry(II)
開課單位	應用化學系(四日)三A	Department	
修習別	必修	Required/Elective	Required
學分數	3	Credits	3
課程目標	此一進階課程主要是涵蓋各種生物分子之基本新陳代謝過程，其目的是要教育學生如何在廣闊的生化領域中，累積相當之知識基礎，以利於將來在職場上之應用。而這當中最重要的工具，就是透過老師讓學生有系統的瞭解生物化學的意涵。	Objectives	In this advanced course, the topic will be covered mainly in the metabolism of biomolecules. Education is how to prepare students for careers in diverse fields in which the pace of knowledge accumulation will only accelerate in the foreseeable future. The most important tool that teachers can offer these students is a coherent understanding of biochemistry.
教材	Horton (2002) Principles of biochemistry (歐亞書局)	Teaching Materials	
成績評量方式	1. 期中考 45% 2. 期末考 45% 3. 平時成績 10%	Grading	1. Middle test 45% 2. Final exam 45% 3. Lecture performance 10%
教師網頁	_		
教學內容	本課程將以探討生化代謝途徑爲主，包括糖解作用、光化學作用、脂肪、氨基酸之代謝過程及相關之反應。	Syllabus	The lecture topics covered metabolism and its regulation including glycolysis, TCA cycle, electron transport and oxidative phosphorylation, photosynthesis, and lipid metabolism etc.

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