朝陽科技大學 094學年度第1學期教學大綱
Physical Chemistry 物理化學(一)

當期課號	1633	Course Number	1633
授課教師	錢偉鈞	Instructor	CHIEN,WEI JYUN
中文課名	物理化學(一)	Course Name	Physical Chemistry
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	本課程爲應用化學系學生必修之課程。課程主旨在於以物理學之理論與方法探討化學現象與反應之原理。課程內容著重於以熱力學三大定律，平衡現象,反應動力論及量子化學爲主體之基礎定律理論與應用。	Objectives	The main purpose of this two-semester course is to introduce how to apply physical theories and methods to investigate chemical systems and processes. The following topics will be included in this course: thermodynamics, phenomenon of equilibrium, kinetics and basic structure of atom and molecule.
教材	"Physical Chemistry" (First ed.) by Thomas Engel and Philip Reid, Pearson Education Inc. 2005	Teaching Materials	
成績評量方式	共舉行三次成績評量:兩次期中考各佔30%,共計60%.期末考佔40%.總分合計爲100分	Grading	Three examinations : two midterms 60%, final exam 40%.
教師網頁	http://www.cyut.edu.tw/~wjchien		
教學內容	本學期之物理化學課程內容以化學熱力學爲主; 1. 氣體動力學; 2. 熱力學三大定律 3. 化學平衡	Syllabus	Three major tpics are included: 1. Kinetic Theory of Gases 2. The fist, second the third laws of thermodymamics. 3. Chemical Equilibrium

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