朝陽科技大學 095學年度第1學期教學大綱
Special Topics in Analytical Chemistry of Medicine 藥物分析化學特論

當期課號	7674	Course Number	7674
授課教師	林美靜	Instructor	LIN,MEI CHING
中文課名	藥物分析化學特論	Course Name	Special Topics in Analytical Chemistry of Medicine
開課單位	應用化學系碩士在職專班一A	Department	
修習別	選修	Required/Elective	Elective
學分數	3	Credits	3
課程目標	本課程將著重於儀器分析在藥物/天然物化學分析上的應用，期使學生在研究所所習得之藥物分析化學理論能與實際的實驗操作相互印證，而達到教學做合一之學以致用目標。	Objectives	This course will focus on instrumental analysis in the application of the chemical analysis to medicine / natural products. It makes students can confirm the theory of the Analytical Chemistry of Medicine and experimental operations in the graduate school. These will reach the goal of teaching, learning and doing well.
教材	(一) Lena Ohannesian, Anthony J Streeter, Ohannesian Ohannesian；藥物分析手冊，2002年，Marcel Dekker，英國。 (二) David G. Watson；藥物分析，第2 版－藥學生及製藥化學家教科書，2005年，Churchill Livingstone，倫敦。 (三) Satinder Ahuja, Stephen Scypinski；現代藥物分析手冊，2001年，Elsevier，美國。	Teaching Materials	（一）Lena Ohannesian, Anthony J Streeter, Ohannesian Ohannesian; Handbook of Pharmaceutical Analysis, 2002, Marcel Dekker, UK. （二）David G. Watson; Pharmaceutical Analysis, 2nd Edition - A Textbook for Pharmacy Students and Pharmaceutical Chemists, 2005, Churchill Livingstone, London. （三）Satinder Ahuja, Stephen Scypinski; Handbook of Modern Pharmaceutical Analysis, 2001, Elsevier, USA.
成績評量方式	期中報告及資料蒐集（內容、題材和重要性等）－ 30 % 上課章節內容之整理報告 － 20 % 出席參與討－ 20 % 期末報告（書面報告及口頭報告）－ 30 %	Grading	Midterm reports and collect materials (content , subject matter and importance, etc.) — 30% Notes in the class — 20% Attend and discuss — 20% Final reports (reading and verbal reports) — 30%
教師網頁	_		
教學內容	本課程主要介紹目前儀器分析在藥物/天然物化學分析上之應用，讓學生利用各種先進的分析儀器進行藥物/天然物成分的定性及定量分析，另外透過各種分析光譜資料決定藥物/天然物的化學結構。因此，本課程的安排除了介紹各類分析儀器的基本原理及其應用情形之外，也進一步藉由定性及定量藥物，達成藥物品質管制的目的，並爲修課學生奠定藥物分析化學研究和應用的良好基礎。	Syllabus	This course mainly introduces the instrumental analysis in the application of the chemical analysis to medicine / natural products at present. It lets students utilize different and advanced analysis instruments to carry on the qualitative and quantitative analysis of the medicine / natural products. The chemical structures of medicine / natural products are determined through various kinds of spectrums. It reaches the quality controls of medicine with the qualitative and quantitative analysis of medicinal compositions further, besides introducing the basic principles of all kinds of analytical instruments and applications. Students will establish the good foundations in the research and application of the Analytical Chemistry of Medicine.