

101-2 Preliminary Syllabus, Da-Yeh Univ

Information			
Title	儀器分析	Serial No. / ID	1739 / EVI3037
Dept.	環境工程學系	School System / Class	大學日間部2年1班
Lecturer	施英隆	Full or Part-time	專任
Required / Credit	Optinal / 3	Graduate Class	No
Time / Place	(一)567 / H571	Language	Chinese

Introduction
1. Students will master the theory and practice of modern instrumental techniques which are commonly used in qualitative and quantitative analysis of chemical compounds; 2. Students acquire the ability for choosing proper analytical instruments in quantitative analysis as associated with many areas of sciences; 3. The student shall develop the ability to acquire and interpret reliable experimental data in independent problem solving.

Outline
課程描述：(英文) Principles and applications of modern methods of instrumental analysis for analytical chemistry measurements. Topics include spectroscopy: UV/Visible, IR, Atomic absorption and emission spectroscopy, Raman, mass spectrometry; chromatography: GC, HPLC, IEC, IC; electrochemistry, potential electrolytic, and polarographic method; others: TOC, Thermal analysis

Prerequisite
general chemistry, analytical chemistry