

## 97-2 Preliminary Syllabus, Da-Yeh Univ

Information			
Title	分析化學實驗	Serial No. / ID	0870 / EVI1096
Dept.	環境工程學系	School System / Class	大學日間部1年1班
Lecturer	施英隆	Full or Part-time	專任
Required / Credit	Required / 1	Graduate Class	NO
Time / Place	(五)567 / H626	Language	Chinese

### Introduction

The central purpose of this lab course is to give students an introduction to the theories and principles of quantitative analysis, a major area of analytical chemistry, and to provide them hand-on operation of laboratory experiments in gravimetric, volumetric analysis. The course is aimed at developing independent thought and laboratory skills and problem-solving abilities.

1. To introduce students to classical laboratory techniques.
2. Acquaint students with basic analytical methods (gravimetric and titrimetric) and operations.
3. Prepare students for future working in advanced research analytical laboratories

### Outline

Introduction  
Neutralization  
Precipitation  
Titration of complex  
Unknown analysis  
Redox analysis  
Chromate titration  
Hardness

### Prerequisite

General chemistry