

# 100-1 Preliminary Syllabus, Da-Yeh Univ

Information			
Title	藥用植物化學實驗	Serial No. / ID	1702 / MHI2010
Dept.	藥用植物與保健學系	School System / Class	大學日間部3年1班
Lecturer	謝文章	Full or Part-time	專任
Required / Credit	Required / 1	Graduate Class	No
Time / Place	(五)N56 / J212	Language	Chinese

Introduction
Students in the Medicinal phytochemistry lab will be required to familiarized with 1:Chemical synthesis of plant natural compounds; 2. Extraction and purification of plant natural compounds; 3, Identification of plant natural compounds

Outline
1 Safety and principles of laboratory preparations
2 Identifications, preparation, drying and storage of medicinal plant materials (1)
3 Identifications, preparation, drying and storage of medicinal plant materials (2)
4 Extraction and concentration of natural compounds from plants (1)
5 Extraction and concentration of natural compounds from plants (2)
6 Extraction and concentration of natural compounds from plants (3)
7 Mid term laboratory operation examination
8 Mid term week
9 Applications of Thin Layer Chromatography in phytochemistry ( 1 )
10 Applications of Thin Layer Chromatography in phytochemistry ( 2 )
11 Applications of Thin Layer Chromatography in phytochemistry ( 3 )
12 Applications of Thin Layer Chromatography in phytochemistry ( 4 )
13 Qualitative analysis of natural compounds from medicinal plants ( 1 )
14 Qualitative analysis of natural compounds from medicinal plants ( 2 )
15 Qualitative analysis of natural compounds from medicinal plants ( 3 )
16 Conclusion and discussion of laboratory experience in medicinal plants
17 Final examination week
18. Final examination

Prerequisite
General chemistry, Organic chemistry, Medicinal plant botany