

101-2 Preliminary Syllabus, Da-Yeh Univ

Information			
Title	藥用植物化學實驗	Serial No. / ID	2363 / MHI2010
Dept.	藥用植物與保健學系	School System / Class	大學日間部2年2班
Lecturer	謝文章	Full or Part-time	專任
Required / Credit	Optinal / 1	Graduate Class	No
Time / Place	(四)567 / J515	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