

99-1 Preliminary Syllabus, Da-Yeh Univ

| Information | | | |
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| Title | 藥用植物化學 | Serial No. / ID | 1421 / MHI2009 |
| 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 / 3 | Graduate Class | No |
| Time / Place | (三)2 / J320 (五)34 / J320 | Language | Chinese |

| Introduction |
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| Students in the Medicinal phytochemistry class will be required to familiarized with 1: Plant metabolomics and phytochemistry; 2. the synthesis pathway of secondary metabolites; 3: natural products and phytochemistry; and 4. Medicinal plant chemicals for drug discovery |

| Outline |
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| <ol style="list-style-type: none"> 1. Synthesis pathway of natural products in plant 2. Secondary metabolism: the building blocks and construction mechanisms 3. Extraction, separation, purification of plant natural compounds and their structural determination 4. Sugars and glycosides 5. Amino acids, peptides and proteins 6. Quinones 7. Phenylpropanoids 8. Flavonoids 9. Tannic acid and tannins 10. Terpenoids and essential oils 11. Triterpenoids 12. Sterols 13. Alkaloids 14. Drug discovery from natural chemicals |

| Prerequisite |
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| General chemistry, organic chemistry, Medicinal botany |