

102-2 Preliminary Syllabus, Da-Yeh Univ

Information			
Title	藥用作物生理學專論	Serial No. / ID	2183 / MHR5009
Dept.	藥用植物與保健學系碩士班	School System / Class	研究所碩士班2年1班
Lecturer	何偉真	Full or Part-time	專任
Required / Credit	Optinal / 3	Graduate Class	Yes
Time / Place	(二)89A / J202-1	Language	Chinese

Introduction
<p>Special discussion on the advanced medicinal plant physiology is a course focuses on the relationship between the crop physiology and medicinal plants. The efficacy of medicinal plants originates from the effective components produced under special physiology conditions. All the interaction of the environments and the medicinal plants will result in the change of its quality. The metabolites synthesis and accumulation in the medicinal plants are through its interaction with environment. We study medicinal plant physiology to promote its quality and availability.</p>

Outline
<ol style="list-style-type: none"> 1. Plant cell biology I 2. Plant cell biology II 3. Growth and Plant Development I 4. Growth and Plant Development II 5. Plant hormones I 6. Plant hormones II 7. Plant hormones III 8. Flowering and Plant reproduction I 9. Flowering and Plant reproduction II 10. Plant nutrition I 11. Plant nutrition II 12. Water relationship 13. Plant defense and stress Physiology I 14. Plant defense and stress Physiology II 15. Biosynthesis of Secondary metabolites I 16. Biosynthesis of Secondary metabolites II 17. Gene expression and signal transduction 18. Biotechnology in herbal medicine

Prerequisite
Biology, medicinal plant chemistry, biochemistry, organic chemistry