

## 98-2 Preliminary Syllabus, Da-Yeh Univ

Information			
Title	植物基因轉殖與實習	Serial No. / ID	1032 / MBI2022
Dept.	分子生物科技學系	School System / Class	大學日間部2年1班
Lecturer	余聰安	Full or Part-time	專任
Required / Credit	Optinal / 3	Graduate Class	NO
Time / Place	(二)8 / J505 (二)9A / J506	Language	Chinese

Introduction
Plant genetic transformation is modern and popular biotechnology. Basic training in life science, technique training in molecular biotechnology development and application, and practice training in bio-industry are our course goals. This course gives instruction in basic background and practice lab operation of plant gene transformation. We hope the student has the ability for practices knowledge and e x e c u t e capability in plant biotechnology.

Outline
<ol style="list-style-type: none"><li>1.Introduction and perapation</li><li>2.Induction and hoping in plant gene transformtion biotechnolog</li><li>3.Extration of plasmid DNA</li><li>4.Agrobacerium-mediated transformation</li><li>5.microinjection</li><li>6. Microprojectile bombardment</li><li>7.molecular assay</li></ol>

Prerequisite
To take a life or plant tissue culture course