

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

| Information       |                          |                       |                |
|-------------------|--------------------------|-----------------------|----------------|
| Title             | 植物組織培養學與實習               | Serial No. / ID       | 1770 / MBI2026 |
| Dept.             | 分子生物科技學系                 | School System / Class | 大學日間部1年1班      |
| Lecturer          | 余聰安                      | Full or Part-time     | 專任             |
| Required / Credit | Optinal / 3              | Graduate Class        | NO             |
| Time / Place      | (一)7 / J505 (一)89 / J506 | Language              | Chinese        |

| Introduction   |
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| <p>Plant tissue culture 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 tissue culture. We hope the student has the ability for practices knowledge and e x e c u t e capability in plant biotechnology.</p> |

| Outline  |
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| <p>                     Introduction (medium preparation)<br/>                     Introduction of plant tissue culture (carrot r o o t culture)<br/>                     Development and differiation of plant (tobacco leaf culrure)<br/>                     Equipment of plant tissue culture<br/>                     Explant sterization<br/>                     Orchid sterization seeddling<br/>                     micropagation (shoot tip culture of papaya)<br/>                     Callus and somatic embryo<br/>                     Healthy plantlets                 </p> |

| Prerequisite |
|--------------|
| life         |