

## 97-1 Preliminary Syllabus, Da-Yeh Univ

Information			
Title	生物技術產官學講座	Serial No. / ID	0334 / MBI2034
Dept.	分子生物科技學系	School System / Class	大學日間部3年1班
Lecturer	陳小玲	Full or Part-time	專任
Required / Credit	Optinal / 2	Graduate Class	NO
Time / Place	(四)56 / M205	Language	Chinese

Introduction
Class will proceed by off-campus researchers give invited talks. The topics will include issues concerning about the current development in technologies, specifications, and biosafety of transgene and its derived products, gene therapy, animal clone, embryonic stem cell, and so on. Through out the course, the following perspectives will be anticipated: students should be able to learn more about the biotechnology in application of animal gene transfer.

Outline
<ol style="list-style-type: none"> <li>1. Introduction</li> <li>2. Development and application of Lab-on-a-chip technology</li> <li>3. Application of fluorescence gene modified fish</li> <li>4. Development and application of anti-5. bacteria protein in medicine and aquaculture</li> <li>6. R &amp; D, and management in generic Pharmaceuticals</li> <li>7. Plant biotechnology: from basic research to industrial applications- An overview</li> <li>8. Application and practice of RNAi technology 調節過敏體質健康食品開發 胃癌血清蛋白質體學早期診斷之運用及其相關之胃幽門螺旋桿菌的檢測</li> <li>9. Gene and immune therapies of cancer</li> <li>10. Cancer Genomics and Target Discovery</li> <li>11. Reinventing the role of DBF4-dependent kinase from initiation of DNA replication to morphogenesis in pathogenic fungal yeast <i>Candida albicans</i></li> <li>12. The principle and technology of molecular gene image</li> <li>13. Characters of R &amp; D in bioindustry</li> </ol>

Prerequisite
none