

# 102-1 Preliminary Syllabus, Da-Yeh Univ

Information			
Title	生物科技導論(二)	Serial No. / ID	2258 / MBI1033
Dept.	分子生物科技學系	School System / Class	大學日間部1年1班
Lecturer	劉淑瑛	Full or Part-time	專任
Required / Credit	Required / 1	Graduate Class	No
Time / Place	(一)4 / B402	Language	Chinese

Introduction
Through out the course, the following perspectives will be anticipated: <ol style="list-style-type: none"><li>1. Students should be able to get a better view about modern biotechnology and bioindustry.</li><li>2. Students should be able to get a better view about the relations between modern biotechnology and life.</li><li>3. Students should be able to get a better view about the application of modern biotechnology in modern living.</li><li>4. Students should be able to get a better view about the important roles played by modern biotechnology in our future life.</li><li>5. Students should be able to get a better view about bioethics.</li></ol>

Outline
1. The Biotechnology Century and Its Workforce. 2. An Introduction to Genes and Genomes. 3. History of Genetic Manipulation: Recombinant DNA Technology. 4. Proteins as Products. 5. Microbial Biotechnology. 6. Agricultural Biotechnology. 7. Animal Biotechnology. 8. DNA Fingerprinting and Forensic Analysis. 9. Bioremediation. 10. Medical Biotechnology. 11. Ethics and Biotechnology.

Prerequisite
No pre-requirement