

# 102-1 Preliminary Syllabus, Da-Yeh Univ

Information			
Title	生物科技導論(一)	Serial No. / ID	0535 / MBI1032
Dept.	分子生物科技學系	School System / Class	大學日間部1年1班
Lecturer	黃尉東	Full or Part-time	專任
Required / Credit	Required / 1	Graduate Class	No
Time / Place	(一)3 / B402	Language	Chinese

Introduction
<p>This course will introduce the following topics to students, to enhance their basic concepts of life science. The topics include: the development of biology, the origin of life, the structure and function of cells, and their roles in nature. Besides, the general developmental biology, physiology, molecular biology and biotechnology will be also introduced. The genetic engineering, animal cloning and application of pills and RU486 which concern about current trends and social health will be emphasized.</p>

Outline
<p>. 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.</p>

Prerequisite
None