

102-2 Preliminary Syllabus, Da-Yeh Univ

Information			
Title	生物技術概論	Serial No. / ID	1948 / MHI1009
Dept.	藥用植物與保健學系	School System / Class	大學日間部1年1班
Lecturer	謝文章	Full or Part-time	專任
Required / Credit	Optinal / 2	Graduate Class	No
Time / Place	(三)56 / P501	Language	Chinese

Introduction
Introduction to evolution of modern biotechnology and increasing the knowledge in biotechnology field to students. Especially emphasize in marine biotechnology development and trying to give good basis in biotechnology to students

Outline
Biology, Biochemistry Public perception of biotechnology Biochemistry and physiology of growth and metabolism Stoichiometry and kinetics of microbial growth from a thermodynamic perspective Genome management and analysis: prokaryotes Genetic engineering: yeasts and filamentous fungi Microbial Process Kinetics Bioreactor design Mass transfer Downstream processing Measurement, monitoring, modelling and control

Prerequisite
no