

100-1 Preliminary Syllabus, Da-Yeh Univ

Information			
Title	細胞生物學	Serial No. / ID	0547 / MBI2036
Dept.	分子生物科技學系	School System / Class	大學日間部3年1班
Lecturer	張雲祥	Full or Part-time	專任
Required / Credit	Optinal / 3	Graduate Class	No
Time / Place	(三)56 / J306 (五)4 / J320	Language	Chinese

Introduction
Cell is the basic unit of life. This lecture will begin with basic components of a cell, and will mention about the structure, composition and replication of DNA, and following with gene regulation, protein structure and function, cellular metabolisms, structure and function of organells. Some general cell experiment methods will also be included in this class. The aim of this class is to give the knowledge about cell biology and molecular cell biology.

Outline
Introduction to cell DNA and chromosomes DNA replication, repair and recombination From DNA to protein: how cells read the genome Control of gene expression How genes and genomes evolve Analyzing genes and genomes Membrane transport

Prerequisite
Biology