

102-2 Preliminary Syllabus, Da-Yeh Univ

Information			
Title	分子細胞學	Serial No. / ID	0610 / MBI3022
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)34 / J109 (四)5 / J505	Language	Chinese

Introduction
Cell is the basic unit of life. Cell biology is a big subject, and it has links with almost every other branch of science. The present course will emphasize on the molecular bases of cell biology. The course will discuss about the followings: DNA and gene; cell division; the cell cycle; metabolism; cell signaling; tissue and cancer.

Outline
The course contents include the following topics: Membrane transport, How cells obtain energy from food, Energy generation in mitochondria and chloroplasts; Intracellular compartments and transport; Cell communication; Cytoskeleton; The cell division cycle; Sex and genetics; Cellular communities: tissue, stem cells, and cancer.

Prerequisite
Biology, Cell biology