

99-1 Preliminary Syllabus, Da-Yeh Univ

Information			
Title	普通生物學(一)	Serial No. / ID	1843 / BRI1015
Dept.	生物資源學系	School System / Class	大學日間部1年1班
Lecturer	林重宏	Full or Part-time	專任
Required / Credit	Required / 3	Graduate Class	No
Time / Place	(二)12 / P301 (三)4 / J306	Language	Chinese

Introduction
Basic introduction, including macromolecules, cytology, genetics, evolution and biodiversity. Students in this class should acquire the basic knowledge of biology to improve further learning skills.

Outline
<ol style="list-style-type: none">1. The life of the cell: the molecules of cells, a tour of the cell, the working cell, how cells harvest chemical energy, Photosynthesis2. Cellular reproduction and genetics: the cellular basis of reproduction and inheritance, Patterns of inheritance, molecular biology of the gene, How genes are controlled, DNA technology3. Concepts of evolution: How populations evolve, the origin of species, Tracing evolutionary history4. The evolution of biological diversity: The origin and evolution of microbial life, Plants, Fungi, and the colonization of land, The evolution of invertebrate and vertebrate diversity.

Prerequisite
none