

# 100-2 Preliminary Syllabus, Da-Yeh Univ

Information			
Title	生物分子	Serial No. / ID	1744 / BRI1019
Dept.	生物資源學系	School System / Class	大學日間部1年1班
Lecturer	柳源德	Full or Part-time	專任
Required / Credit	Optinal / 2	Graduate Class	No
Time / Place	(三)56 / J305	Language	Chinese

Introduction
This is the all English course. The course contains the introduction of general biomolecules, for example, carbohydrate, lipid, protein and nucleic acids. The structures, basic unit (monomer), bonds and functional groups also would be introduced. The students should be familiar with the chemical formula and the basic function of macromolecules.

Outline
1.introduction and overview 2.biology and chemistry 3.bioorganic chemistry 4.carbohydrates(1)-simple sugars and disaccharides 5.carbohydrates(2)-polysaccharides 6.amino acids(1) 7.amino acids(2) 8.peptides and proteins 9.lipids(1)-fatty acids and acylglycerides 10.lipids(2)-phospholipids and steriods 11.introduction of cellular membranes 12.nucleic acids(1)-bases 13.nucleic acid(2)-RNA and DNA

Prerequisite
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