

101-1 Preliminary Syllabus, Da-Yeh Univ

Information			
Title	生物化學(一)	Serial No. / ID	0495 / MHI3001
Dept.	藥用植物與保健學系	School System / Class	大學日間部3年1班
Lecturer	張淑微	Full or Part-time	專任
Required / Credit	Required / 3	Graduate Class	No
Time / Place	(一)3 / J110 (四)34 / J110	Language	Chinese

Introduction
In this course, we will introduce all basic knowledge and concept of biochemistry to make students better understanding the biosynthetic way of sugars, lipids, nucleic acid and amino acids in organisms.

Outline
<ol style="list-style-type: none">1. The foundations of Biochemistry2. Water3. Amino Acids, Peptides, and Proteins4. The three-dimensional Structure of Proteins5. Protein Function6. Enzymes7. Carbohydrates and Glycobiology8. Nucleotides and Nucleic Acids9. DNA-Based Information Technologies10. Lipids11. Biological Membranes and Transport12. Biosignaling

Prerequisite
Basic biology, general chemistry, analytic chemistry, organic chemistry and microbiology