

# 100-1 Preliminary Syllabus, Da-Yeh Univ

Information			
Title	生物化學(一)	Serial No. / ID	0522 / 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	(三)234 / J307	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"><li>1. The foundations of Biochemistry</li><li>2. Water</li><li>3. Amino Acids, Peptides, and Proteins</li><li>4. The three-dimensional Structure of Proteins</li><li>5. Protein Function</li><li>6. Enzymes</li><li>7. Carbohydrates and Glycobiology</li><li>8. Nucleotides and Nucleic Acids</li><li>9. DNA-Based Information Technologies</li><li>10. Lipids</li><li>11. Biological Membranes and Transport</li><li>12. Biosignaling</li></ol>

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