

101-2 Preliminary Syllabus, Da-Yeh Univ

Information			
Title	生物化學(一)	Serial No. / ID	0521 / MBI2012
Dept.	分子生物科技學系	School System / Class	大學日間部2年1班
Lecturer	江主惠	Full or Part-time	專任
Required / Credit	Required / 3	Graduate Class	No
Time / Place	(四)2 / J215 (五)34 / J215	Language	Chinese

Introduction

Biochemistry is an important link between Biology and Chemistry. This course introduces the chemical structures and chemical reactions and life of science. The course will give students an understanding of proteins, carbohydrates, lipid and nucleic acids

Outline

Ch1. The foundations of biochemistry.
Ch2. Water.
Ch3. Amino acids, peptides, and proteins
Ch4. The three- dimensional structure of proteins
Ch5. Protein function
Ch6. Enzymes
mid-term
Ch7. Carbohydrates and glycobiology
Ch8. Nucleotides and nucleic acids
Ch9. DNA-based information technologies
Ch10. Lipids
Ch11. Biological membranes and transport
Ch12. Biosignaling
Final examination

Prerequisite

none