

99-1 Preliminary Syllabus, Da-Yeh Univ

Information			
Title	生物化學(二)	Serial No. / ID	0481 / MBI3004
Dept.	分子生物科技學系	School System / Class	大學日間部3年1班
Lecturer	江主惠	Full or Part-time	專任
Required / Credit	Required / 3	Graduate Class	No
Time / Place	(四)78 / J315 (五)3 / J315	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
Ch14. Glycolysis, Gluconeogenesis, and the Pentose Phosphate Pathway
Ch15. The Metabolism of Glycogen in Animals
Ch16. The Citric Acid Cycle
Ch17. Fatty Acid Catabolism
mid-term
Ch18. Amino Acid Oxidation and the Production of Urea
Ch19. Oxidative Phosphorylation and Photophosphorylation
Ch20. Carbohydrate Biosynthesis in Plants and Bacteria
Ch21. Lipid Biosynthesis
Ch22. Biosynthesis of Amino Acids, Nucleotides, and Related Molecules
final examination

Prerequisite
none