

# 100-1 Preliminary Syllabus, Da-Yeh Univ

Information			
Title	生物化學(二)	Serial No. / ID	0549 / 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 / J320 (五)3 / J320	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