

98-1 Preliminary Syllabus, Da-Yeh Univ

Information			
Title	分子生物學(一)	Serial No. / ID	0813 / BRI3006
Dept.	生物資源學系	School System / Class	大學日間部3年1班
Lecturer	林重宏	Full or Part-time	專任
Required / Credit	Required / 3	Graduate Class	NO
Time / Place	(三)2 / J306 (四)34 / J306	Language	Chinese

Introduction

Molecular biology discuss the chemistry of DNA, RNA and protein, chromosome, genome maintain, gene expression and its regulation. Students should learn the significance of molecular biology and its impact on human society

Outline

1. Nucleic acids and genetic information
2. Weak chemical reaction
3. Weak and High energy bond
4. Structures of DNA and RNA
5. Chromosome, chromatin and nucleosome
6. DNA replication
7. DNA mutation and repair
8. Homologous recombination
9. Site specific recombination and transposition

Prerequisite

none