

101-1 Preliminary Syllabus, Da-Yeh Univ

Information			
Title	分子生物學(一)	Serial No. / ID	1838 / BRI3006
Dept.	生物資源學系	School System / Class	大學日間部3年1班
Lecturer	孫芳君	Full or Part-time	專任
Required / Credit	Required / 3	Graduate Class	No
Time / Place	(五)1 / J305 (三)34 / J305	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
<ol style="list-style-type: none">1. Nucleic acids and genetic information2. Weak chemical reaction3. Weak and High energy bond4. Structures of DNA and RNA5. Chromosome, chromatin and nucleosome6. DNA replication7. DNA mutation and repair8. Homologous recombination9. Site specific recombination and transposition

Prerequisite
none