

101-2 Preliminary Syllabus, Da-Yeh Univ

Information			
Title	分子生物學(二)	Serial No. / ID	0526 / MBI3002
Dept.	分子生物科技學系	School System / Class	大學日間部3年1班
Lecturer	游志文	Full or Part-time	專任
Required / Credit	Required / 3	Graduate Class	No
Time / Place	(一)56 / J215 (二)2 / J215	Language	Chinese

Introduction
<p>This course emphasizes not only in understanding how life operates in molecular level, but also problem based learning. There are three main goals of this course:</p> <ol style="list-style-type: none">1. Understand the life processes in molecular level.2. Develop an appreciation of how molecular biology is used in every field of biology.3. Learn how to analyze and interpret experimental data by formulating models

Outline
<ol style="list-style-type: none">1 Expression of the Genome2 RNA Splicing3 RNA Splicing4 Translation5 Translation6 The Genetic Code7 Gene Regulation in Prokaryotes8 Gene Regulation in Prokaryotes9 Midterm10 Gene Regulation in Eukaryotes11 Gene Regulation in Eukaryotes12 Gene Regulation in Eukaryotes13 Gene Regulation during Development14 Gene Regulation during Development15 Comparative Genomics and the Evolution of Animal Diversity16 Techniques of Molecular Biology17 Model Organisms18 Final

Prerequisite
<ol style="list-style-type: none">1. Biology2. Biochemistry