

## 97-2 Preliminary Syllabus, Da-Yeh Univ

Information			
Title	分子生物學(二)	Serial No. / ID	0516 / 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	(二)56 / J309 (五)2 / J309	Language	Chinese

### Introduction

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:

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

- 1 Expression of the Genome
- 2 RNA Splicing
- 3 RNA Splicing
- 4 Translation
- 5 Translation
- 6 The Genetic Code
- 7 Gene Regulation in Prokaryotes
- 8 Gene Regulation in Prokaryotes
- 9 Midterm
- 10 Gene Regulation in Eukaryotes
- 11 Gene Regulation in Eukaryotes
- 12 Gene Regulation in Eukaryotes
- 13 Gene Regulation during Development
- 14 Gene Regulation during Development
- 15 Comparative Genomics and the Evolution of Animal Diversity
- 16 Techniques of Molecular Biology
- 17 Model Organisms
- 18 Final

### Prerequisite

1. Biology
2. Biochemistry