

## 99-2 Preliminary Syllabus, Da-Yeh Univ

| Information       |                          |                       |                |
|-------------------|--------------------------|-----------------------|----------------|
| Title             | 分子生物學(一)                 | Serial No. / ID       | 0770 / BTI3004 |
| Dept.             | 生物產業科技學系                 | School System / Class | 大學日間部3年2班      |
| Lecturer          | 洪淑嫻                      | Full or Part-time     | 專任             |
| Required / Credit | Required / 3             | Graduate Class        | No             |
| Time / Place      | (四)2 / H345 (五)12 / H345 | Language              | Chinese        |

### Introduction

From the standpoint of genetics, the course will make students understand how cells operate at the molecular level.

### Outline

1. DNA, RNA and Protein
2. Genes, Genomes and DNA
3. Cell Division and DNA Replication
4. Transcription of Genes
5. Protein Synthesis
6. Regulation of Transcription in Prokaryotes
7. Regulation of Transcription in Eukaryotes

### Prerequisite

Biology  
Biochemistry