

# 101-2 Preliminary Syllabus, Da-Yeh Univ

Information			
Title	分子生物學特論	Serial No. / ID	2317 / BTR5090
Dept.	生物產業科技學系碩士班	School System / Class	研究所碩士班1年1班
Lecturer	蔡明勳	Full or Part-time	專任
Required / Credit	Optinal / 3	Graduate Class	No
Time / Place	(一)567 / H546	Language	Chinese

## Introduction

Special Topics on Molecular Biology

## Outline

1. Introduction of this class (1)
  2. A brief history - - -Transmission Genetics (1)
  3. A brief history - - -Molecular Genetics (1)
  4. The Nature of Genetic Material (1)
  5. The Molecular Nature of Genes (1)
  6. An Introduction to Gene Function (1)
  7. Molecular Cloning Methods (2)
- Mid-term Examination
8. Molecular Tools for Studying Genes and Gene Activity (3)
  9. The Mechanism of Transcription in Prokaryotes (2)
  11. Operons: Fine Control of Prokaryotic Transcription (2)
- Final Examination

## Prerequisite

Students of this class should have the abilities of listening, reading, speaking, and writing in Chinese and English.