

99-1 Preliminary Syllabus, Da-Yeh Univ

Information			
Title	分子生物學特論	Serial No. / ID	3023 / BDR5090
Dept.	生物產業科技學系博士班	School System / Class	研究所博士班1年1班
Lecturer	蔡明勳	Full or Part-time	專任
Required / Credit	Optinal / 3	Graduate Class	No
Time / Place	(三)567 / H545	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.	