

# 103-2 Preliminary Syllabus, Da-Yeh Univ

Information			
Title	分子生物學特論	Serial No. / ID	1536 / 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	廖恩慈	Full or Part-time	兼任
Required / Credit	Optinal / 3	Graduate Class	No
Time / Place	(二)678 /	Language	Chinese

Introduction
<p>教學生修習DNA及基因的基本知識</p> <p>教導分子生物學發展及原理</p> <p>學習分子生物相關技術及原理</p> <p>期望對學生實驗和研究有具體幫助</p>

Outline
<ol style="list-style-type: none"> <li>1. Introduction of this class (1)</li> <li>2. A brief history - - -Transmission Genetics (1)</li> <li>3. A brief history - - -Molecular Genetics (1)</li> <li>4. The Nature of Genetic Material (1)</li> <li>5. The Molecular Nature of Genes (1)</li> <li>6. An Introduction to Gene Function (1)</li> <li>7. Molecular Cloning Methods (2)</li> </ol> <p>Mid-term Examination</p> <ol style="list-style-type: none"> <li>8. Molecular Tools for Studying Genes and Gene Activity (3)</li> <li>9. The Mechanism of Transcription in Prokaryotes (2)</li> <li>11. Operons: Fine Control of Prokaryotic Transcription (2)</li> </ol> <p>Final Examination</p>

Prerequisite
<p>具有中、英文聽、說、讀、寫的基本能力</p> <p>具分子生物學背景尤佳</p>